

METEOROLOGICAL TABLES.

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Table I gives, for about 130 Weather Bureau stations making two observations daily and for about 20 others making only the 8 p. m. observation, the data ordinarily needed for climatological studies, viz., the monthly mean pressure, the monthly means and extremes of temperature, the average conditions as to moisture, cloudiness, movement of the wind, and the departures from normals in the case of pressure, temperature, and precipitation.

Table II gives, for about 2,400 stations occupied by voluntary observers, the extreme maximum and minimum temperatures, the mean temperature deduced from the average of all the daily maxima and minima, or other readings, as indicated by the numeral following the name of the station; the total monthly precipitation, and the total depth in inches of any snow that may have fallen. When the spaces in the snow column are left blank it indicates that no snow has fallen, but when it is possible that there may have been snow of which no record has been made, that fact is indicated by leaders, thus (. . .).

Table III gives, for about 30 Canadian stations, the mean pressure, mean temperature, total precipitation, prevailing wind, and the respective departures from normal values. Reports from Newfoundland and Bermuda are included in this table for convenience of tabulation.

Table IV gives detailed observations at Honolulu, Republic of Hawaii, by Curtis J. Lyons, meteorologist to the Government Survey.

Table V gives, for 26 stations, the mean hourly temperatures deduced from thermographs of the pattern described and figured in the Report of the Chief of the Weather Bureau, 1891-'92, p. 29.

Table VI gives, for 26 stations, the mean hourly pressures as automatically registered by Richard barographs, except for Washington, D. C., where Foreman's barograph is in use. Both instruments are described in the Report of the Chief of the Weather Bureau, 1891-'92, pp. 26 and 30.

Table VII gives, for about 130 stations, the arithmetical means of the hourly movements of the wind ending with the respective hours, as registered automatically by the Robinson anemometer, in conjunction with an electrical recording mechanism, described and illustrated in the Report of the Chief of the Weather Bureau, 1891-'92, p. 19.

Table VIII gives the danger points, the highest, lowest, and mean stages of water in the rivers at cities and towns on the principal rivers; also the distance of the station from the river mouth along the river channel.

Table IX gives, for all stations that make observations at 8 a. m. and 8 p. m., the four component directions and the resultant directions based on these two observations only and without considering the velocity of the wind. The total movement for the whole month, as read from the dial of the Robinson anemometer, is given for each station in Table I. By adding the four components for the stations comprised in any geographical division one may obtain the average resultant direction for that division.

Table X gives the total number of stations in each State from which meteorological reports of any kind have been received, and the number of such stations reporting thunderstorms (T) and auroras (A) on each day of the current month.

Table XI gives, for 38 stations, the percentages of hourly sunshine as derived from the automatic records made by two essentially different types of instruments, designated, respectively, the thermometric recorder and the photographic recorder. The kind of instrument used at each station is

indicated in the table by the letter T or P in the column following the name of the station.

Table XII gives a record of the heaviest rainfalls for periods of five and ten minutes and one hour, as reported by regular stations of the Weather Bureau furnished with self-registering rain gauges.

Table XIII gives the record of excessive precipitation at all stations from which reports are received.

Additional information concerning the tables will be found in the REVIEW for January, 1895.

NOTES EXPLANATORY OF THE CHARTS.

Chart I.—Tracks of centers of low pressure. The roman letters show number and order of centers of low areas. The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the 8 a. m. and 8 p. m., seventy-fifth meridian time, observations. The queries (?) on the tracks show that the centers could not be satisfactorily located. Within each circle is given the lowest barometric reading reported near the center. A blank indicates that no reports were available. A wavy line indicates the axis of a trough or long oval area of low pressure.

Chart II.—Tracks of centers of high pressure. The roman letters show number and order of centers of high areas. The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the 8 a. m. and 8 p. m., seventy-fifth meridian time, observations. The queries (?) on the tracks show that the centers could not be satisfactorily located. Within each circle is given the highest barometric reading reported near the center. A blank indicates that no reports were available. A wavy line indicates the axis of a ridge of high pressure.

Chart III.—Total precipitation. The scale of shades showing the depth of rainfall is given on the chart itself. For isolated stations the rainfall is given in inches and tenths, when appreciable; otherwise, a "trace" is indicated by a capital T, and no rain at all, by 0.0.

Chart IV.—Sea-level isobars, surface isotherms, and resultant winds. The wind directions on this Chart are the computed resultants of observations at 8 a. m. and 8 p. m., daily; the resultant duration is shown by figures attached to each arrow. The temperatures are the means of daily maxima and minima and are not reduced to sea level. The pressures are the means of 8 a. m. and 8 p. m. observations, daily, and correspond to Professor Hazen's system of reduction; the barometer is not reduced to standard gravity, but the necessary reduction for 30 inches of the mercurial barometer is shown by the marginal figures for each degree of latitude.

Chart V.—Magnetic phenomena. For further explanation of this Chart see the section on "Meteorology and Magnetism" in the text of the REVIEW.

Chart VI.—Depth of snowfall and limits of freezing weather. Total depth of snowfall is shown in inches. (T. = Trace.) The southern limit of freezing weather is shown by the frost line of minimum 40° F. — — — and by the freezing line of minimum 32° F. — — —

Chart VII.—The chart of snow on the ground is omitted for May, and instead thereof the total annual snowfall for the snow year 1895-96 is published, as tabulated on page 167.

Chart VIII.—Shows the path of the tornado of May 25, 1896, at Thomas, Oakland County, Mich.

Charts IX to XII.—Kite experiments at the Weather Bureau.

TABLE I.—Climatological data for Weather Bureau Stations, May, 1896.

Stations.	Elevation above sea-level, feet.	Length of record, years.	Pressure in inches.		Temperature of the air, in degrees Fahrenheit.				Humidity and precipitation.				Wind.		Monthly temperature data since opening station.									
			Mean pressure, 8 a.m. and 8 p.m. + 2.	Mean reduced.	Departure from normal.	Mean max. and min. + 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean temperature of the dew-point, per cent.	Precipitation, in inches.	Departure from normal.	Total movement, miles.	Prevailing direction.	Maximum velocity.	Absolute maximum.	Absolute minimum.	Year.	
<i>New England.</i>																								
Eastport.	78	24	29.92	30.01	+ .05	56.2	+ 2.6	48.0	+ 0.9	85	10	56	31	* 40	41	38	73	2.84	0.7	1.00	2.7	9	1896	
Portland, Me.	103	25	29.88	29.98	+ .01	55.0	+ 1.5	50	+ 0.5	92	10	64	35	7	46	35	45	3.21	0.4	9.5	5.32	s.	1890	
Northfield.	872	10	29.07	30.00	+ .02	56.2	+ 3.5	58	+ 4.1	94	10	69	29	1	44	43	47	73	1.44	- 1.7	11	7.076	s.	1892
Boston.	125	26	29.58	30.02	+ .04	60.3	+ 4.1	49	+ 1.0	94	10	70	38	1	51	31	45	63	1.68	- 1.9	9	7.962	w.	1890
Nantucket.	14	10	30.03	30.04	+ .06	54.2	+ 2.2	75	+ 0.6	76	10	61	39	8	47	26	48	83	2.35	- 1.2	10	8.404	s.	1895
Woods Hole.	19					55.0	+ 0.6	76	+ 0.7	61	10	68	39	8	49	37	3.58	+ 0.2	9	9.422	s.	1890	
Vineyard Haven.	10					56.4	+ 2.9	86	+ 0.6	88	10	68	38	8	50	33	4.13	+ 1.0	8	6.200	s.	1895	
Block Island.	27	16	30.00	30.03	+ .03	54.5	+ 2.2	81	+ 0.6	80	10	60	38	2	48	42	3.95	+ 0.2	9	10.844	w.	1896	
Narragansett Pier.	15					57.8	+ 3.2	92	+ 0.7	87	10	67	38	2	48	42	3.35	+ 0.3	8	6.376	s.	1891	
New Haven.	107	24	29.91	30.02	+ .02	61.9	+ 5.3	98	10	73	88	28	51	42	50	68	3.67	0.0	11	6.220	w.	1896		
<i>Mid. Atlan. States.</i>						67.8	+ 5.1	.....									3.88	+ 0.1					
Albany.	85	23	29.92	30.01	+ .03	63.6	+ 4.3	91	10	74	42	20	53	34	50	65	1.55	- 1.6	12	6.599	s.	1878		
New York.	314	26	29.70	30.03	+ .03	63.8	+ 4.3	91	9	72	43	1	55	38	53	74	2.01	- 1.2	11	9.586	s.	1895		
Harrisburg.	377	8	29.63	30.03	+ .05	66.0	+ 5.8	98	9	75	45	8	57	43	56	74	2.99	- 1.7	12	5.171	w.	1895		
Philadelphia.	117	26	29.92	30.04	+ .02	67.2	+ 4.9	93	11	77	45	7	54	39	53	66	2.27	- 1.0	8	7.800	s.	1896		
Baltimore.	142	26	29.88	30.03	+ .01	69.0	+ 5.1	96	10	79	48	8	60	39	55	73	1.61	- 2.2	9	5.689	s.	1876		
Washington.	112	26	29.93	30.05	+ .02	68.8	+ 5.2	94	11	73	42	8	59	39	57	73	2.26	- 1.5	14	4.508	s.	1876		
Cape Henry.	33					69.8	+ 5.0	96	*	78	44	9	62	32	.....	10.61	+ 6.7	16	.....	s.	1890	
Lynchburg.	685	25	29.33	30.05	+ .04	70.8	+ 5.1	94	11	71	44	8	66	36	62	77	5.01	+ 1.1	2	2.755	ne.	1891		
Norfolk.	57	26	30.00	30.06	+ .04	71.6	+ 5.9	93	19	81	46	8	62	33	62	81	6.63	+ 2.4	14	6.093	w.	1876		
<i>S. Atlantic States.</i>						75.0	+ 4.6	.....								2.99	+ 1.1						
Charlotte.	773	18	29.24	30.04	+ .02	73.2	+ 6.7	95	11	86	49	8	64	29	58	64	1.68	- 2.7	10	4.777	s.	1889		
Hatteras.	11	16	30.07	30.08	+ .05	70.8	+ 4.8	86	11	75	51	9	66	21	64	83	1.50	- 3.1	9	7.872	s.	1882		
Kittyhawk.	9	22	30.05	30.06	+ .03	68.9	+ 3.1	92	18	76	44	9	62	27	62	88	4.23	+ 0.5	12	9.818	s.	1891		
Raleigh.	388	10	29.65	30.06	+ .04	74.0	+ 6.5	95	11	84	46	8	64	29	60	72	6.53	+ 0.9	14	8.387	s.	1876		
Wilmington.	78	26	30.00	30.08	+ .06	74.4	+ 4.4	96	12	88	44	8	66	35	65	78	3.13	- 1.0	9	6.133	s.	1876		
Charleston.	52	25	30.06	30.11	+ .08	76.8	+ 4.1	96	12	83	57	12	60	26	76	78	0.52	- 3.5	7	5.925	s.	1894		
Columbia.	9					77.6	+ 5.6	99	11	89	51	8	66	36	.....	3.66	- 0.6	11	.....	s.	1894	
Augusta.	180	25	29.87	30.06	+ .06	77.4	+ 4.6	96	11	88	55	8	67	33	63	68	3.09	- 0.4	10	3.313	s.	1894		
Savannah.	98	26	29.99	30.09	+ .05	77.6	+ 4.1	97	11	87	55	8	68	31	66	75	4.30	+ 1.4	8	5.416	s.	1894		
Jacksonville.	43	25	30.04	30.09	+ .07	77.7	+ 2.6	95	31	88	59	8	69	30	66	74	1.24	- 2.8	7	5.489	s.	1894		
<i>Florida Peninsula.</i>						77.6	+ 0.4	.....								1.88	- 2.1						
Jupiter.	28	9	30.06	30.09	+ .07	76.2	+ 0.1	85	28	82	61	11	20	19	68	76	2.83	- 3.0	12	7.191	se.	1894		
Key West.	22	26	30.05	30.07	+ .06	79.4	+ 0.4	85	5	88	71	*	78	12	69	72	0.54	- 2.6	5	7.282	e.	1877		
Tampa.	36	7	30.04	30.09	+ .06	77.2	+ 2.4	91	*	87	59	9	68	24	68	73	2.27	- 0.6	10	4.494	e.	1894		
<i>East Gulf States.</i>						76.7	+ 4.0	.....						70	*	74	2.26	- 2.0					
Atlanta.	1,131	18	28.91	30.07	+ .02	74.9	+ 6.1	91	16	85	57	8	65	28	61	69	1.95	- 1.6	8	5.910	sw.	1894		
Pensacola.	56	17	30.00	30.06	+ .04	76.6	+ 2.5	90	29	83	64	2	70	23	68	74	2.81	- 0.5	7	6.029	sw.	1881		
Mobile.	57	26	30.02	30.08	+ .07	76.0	+ 2.5	98	24	84	63	7	69	26	68	76	1.96	- 2.4	6	6.407	s.	1889		
Montgomery.	221	24	29.83	30.06	+ .04	77.7	+ 3.7	95	25	88	61	6	67	26	65	72	3.12	- 0.9	8	3.902	s.	1875		
Meridian.	358	7	29.66	30.03	+ .02	77.7	+ 6.6	95	31	87	59	5	65	32	66	73	2.84	- 3.0	4	3.768	s.	1896		
Vicksburg.	254	25	29.73	29.99	+ .01	77.2	+ 4.2	93	24	86	51	16	68	23	65	71	2.40	- 2.5	5	4.632	s.	1877		
New Orleans.	54	26	29.99	30.05	+ .06	77.8	+ 2.7	92	24	86	65	2	70	19	68	77	2.80	- 2.1	11	5.094	se.	1891		
Port Eads.	10					70.2	+ 4.0	.....			70	*	74	2.26	.....	0.20	- 2.6	3	.....	se.	1891	
<i>West Gulf States.</i>						76.9	+ 3.7	.....			70	*	74	2.98	.....	2.98	- 1.4					
Shreveport.	249	25	29.71	29.97	+ .01	77.2	+ 2.9	94	26	87	59	13	20	48	69	79	3.94	- 0.2	6	5.171	se.	1892		
Fort Smith.	481	14	29.42	29.92	+ .02	74.0	+ 4.7	91	31	85	54	7	63	29	61	73	5.99	+ 1.3	12	5.510	e.	1886		
Little Rock.	302	17	29.67	29.99	+ .01	75.6	+ 5.3	93	31	85	57	14	36	26	63	68	1.32	- 4.4	6	5.000	s.	1888		
Corpus Christi.	20	10	29.92	30.04	+ .03	77.9	+ 2.2	86	30	82	65	10	74	15	73	83	1.94	- 1.3	3	12.584	s.	1886		
Galveston.	42	26	29.96	30.00	+ .02	78.4	+ 2.4	80	29	82	65	3	75	14	70	78	0.82	- 3.0	8	3.004	s.	1886		
Palestine.	510	15	29.43	29.97	+ .02	76.6	+ 4.6	93	30	86	59	14	25	27	67	77	4.13	- 1.7	6	5.799	s.	1896		
San Antonio.	704	19	29.21	29.93	+ .02	78.8	+ 3.8	97	30	88	61	3	70	27	67	74	2.74	- 0.5	4	7.829	se.	1891		
<i>Ohio Val. & Tenn.</i>						72.0	+ 6.8	.....			70	*	74	2.98	.....	3.39	- 0.4					
Chattanooga.	762	18	29.27	30.06	+ .04	74.0	+ 5.7	92	10	85	55	30	63	36	61	70	3.76	- 0.4	8	4.266	sw.	1891		
Knoxville.	980	26	29.03	30.05	+ .02	73.2	+ 7.0	92	10	84	53	30	62	31	61	70	5.31	+ 1.4	12	3.445	w.	1894		
Memphis.	399	26	29.58	29.99	+ .00	76.4	+ 6.4	92	25	85	58	3	68	24	69	74	2.49	- 2.0	8	6.433	s.	1873		
Nashville.	545	26	29.45	30.02	+ .03	73.5	+ 5.5	91	10	84	55	30	60	59	66	73	4.05	+ 0.5	12	4.407	sw.	1888		
Lexington.	989	13	28.98																					

TABLE I.—Climatological data for Weather Bureau Stations, May, 1896—Continued.

Stations.	Elevation above sea-level, feet.	Length of record, years.	Pressure, in inches.		Temperature of the air, in degrees Fahrenheit.						Humidity and precipitation.			Wind.			Monthly temperature data since opening station.						
			Mean pressure, 8 a.m. and 8 p.m. + 2.		Mean max. and min. + 2.			Departure from normal.			Mean maximum.			Mean minimum.			Greatest daily range.			Total movement, miles.			
			Mean reduced.	Departure from normal.	Date.	Maximum.	Minimum.	Date.	Maximum.	Minimum.	Date.	Maximum.	Minimum.	Prevailing direction.	Miles per hour.	Direction.	Date.	Cloudy days.	Average cloudiness, tenths.	Absolute minimum.	Year		
<i>Up. Miss. Val.—Con-</i>																							
Hannibal	534	...	29.34	29.90	...	70.4	...	88	9	80	47	15	61	34	58	7.14	3.1	12	7,826	s.	46	...	
St. Louis	571	26	29.37	29.97	+ .01	73.0	+ 7.0	91	25	82	56	15	64	24	62	9.12	4.5	15	7,891	s.	80	27	
<i>Missouri Valley.</i>																							
Columbia	963	7	28.90	29.90	- .04	69.6	+ 5.1	89	27	79	48	29	60	35	58	5.61	0.3	15	6,431	s.	39	sw.	
Kansas City	963	8	28.90	29.90	- .04	69.6	+ 5.1	89	27	79	47	28	60	32	58	5.81	1.2	14	7,070	se.	22	nw.	
Springfield, Mo.	1,324	11	28.56	29.98	- .03	69.5	+ 2.3	86	24	75	48	21	60	27	66	7.4	11.46	5.4	8,669	s.	60	26	
Topeka	9																						
Omaha	1,123	25	28.70	29.88	- .07	66.9	+ 4.9	88	6	74	48	19	58	36	55	7.2	9.30	+ 3.6	14	6,640	se.	36	nw.
Sioux City	1,165	7																					
Pierre	1,470	22	28.25	29.78	- .11	63.6	+ 6.1	88	8	74	43	19	55	31	58	7.39	+ 3.0	5	9,381	s.	45	w.	
Huron	1,310	15	28.44	29.81	- .12	61.3	+ 5.8	90	7	73	40	15	49	35	49	66	2.45	+ 2.0	5	8,806	nw.	44	nw.
<i>Northern Slope.</i>																							
Havre	2,477	16	27.24	29.84	- .07	50.0	+ 3.8	79	31	60	30	3	40	39	37	66	4.27	+ 2.7	15	7,361	sw.	42	nw.
Miles City	2,372	19	27.33	29.80	- .11	55.2	+ 1.2	78	5	67	32	15	43	37	40	61	2.92	+ 0.7	13	6,637	ll.	38	w.
Helena	4,108	17	25.74	29.96	+ .03	46.6	+ 6.4	75	23	55	29	17	38	36	30	58	2.25	+ 0.7	14	6,770	sw.	36	sw.
Rapid City	3,260	12	26.47	29.80	- .13	57.8	+ 4.7	90	5	70	31	15	46	40	36	48	0.60	+ 3.0	11	8,201	w.	49	w.
Cheyenne	6,105	26	23.91	29.85	- .07	51.8	+ 0.5	80	5	64	26	14	39	30	33	53	2.85	+ 0.6	8	10,025	nw.	52	w.
Lander	5,877	14	24.54	29.91	- .01	48.9	+ 3.0	82	28	63	19	15	35	44	23	45	1.75	+ 1.0	3	5,259	sw.	48	sw.
North Platte	2,826	22	26.98	29.85	- .07	62.4	+ 3.9	89	6	74	34	14	51	39	49	65	1.47	+ 1.2	10	9,380	se.	53	se.
<i>Middle Slope.</i>																							
Denver	5,290	25	24.63	29.85	- .07	58.8	+ 2.2	86	29	72	32	15	45	40	39	44	1.27	+ 1.6	8	6,955	se.	42	e.
Pueblo	4,713	8	25.15	29.83	- .07	62.2	+ 2.5	92	27	78	32	15	47	45	34	35	1.13	+ 0.7	4	6,899	sw.	38	ll.
Concordia	1,410	19	28.38	29.84	- .11	67.5	+ 5.0	92	24	77	43	24	58	36	56	74	6.46	+ 2.2	14	7,122	s.	42	ll.
Dodge City	2,504	23	27.25	29.80	- .09	68.4	+ 5.0	101	24	81	41	14	56	44	51	62	1.13	+ 2.1	6	11,392	s.	8	11
Wichita	1,351	8	25.44	29.84	- .06	71.8	+ 6.0	96	27	82	49	14	61	33	58	72	3.02	+ 1.0	9	8,449	s.	39	n.
Oklahoma	1,339	6	28.60	29.88	- .03	73.3	+ 5.4	94	30	84	48	14	63	32	62	72	4.62	+ 0.7	10	9,840	se.	48	w.
<i>Southern Slope.</i>																							
Abilene	1,749	11	28.08	29.85	- .07	78.8	+ 7.0	105	30	90	52	14	68	32	56	55	0.70	+ 2.9	3	10,359	s.	30	sw.
Amarillo	3,691	5	26.15	29.82	- .09	69.4	+ 6.2	98	27	83	42	14	56	42	39	46	2.20	+ 1.0	13	14,588	s.	60	s.
<i>Southern Plateau.</i>																							
El Paso	8,767	18	26.06	29.80	- .05	75.0	+ 1.7	102	29	90	43	10	60	43	16	14	T.	0.5	0	10,047	nw.	53	sw.
Santa Fe	6,998	24	23.23	29.85	- .06	58.0	+ 1.1	86	29	71	31	14	45	35	- 1	15	0.27	0.5	3	6,599	sw.	39	sw.
Phoenix	1,106	10	25.68	29.83	- .03	74.4	+ 0.2	110	29	90	45	11	53	39	34	33	T.	0.2	0	4,244	w.	24	sw.
Yuma	141	21	29.67	29.81	- .03	76.8	+ 0.1	112	27	92	49	11	62	43	40	33	T.	0.0	0	6,218	w.	38	sw.
<i>Middle Plateau.</i>																							
Carson City	4,720	9	25.26	30.01	- .01	50.6	+ 4.8	82	28	62	26	10	39	35	29	48	0.93	+ 0.3	6	nw.	....	14	13
Winnemucca	4,340	18	25.61	29.99	+ .06	48.6	+ 5.3	85	28	60	26	10	37	38	25	48	2.77	+ 1.8	17	7,827	sw.	55	s.
Salt Lake City	4,344	23	25.56	29.98	+ .03	51.4	+ 7.9	83	28	60	35	15	41	35	34	56	3.67	+ 2.1	6	4,963	nw.	48	w.
<i>Northern Plateau.</i>																							
Baker City	3,480	7	26.38	29.98	+ .03	46.4	+ 6.7	79	29	56	26	18	37	33	34	67	2.38	+ 0.5	17	3,944	sw.	27	sw.
Idaho Falls	4,742	7	25.16	29.97	- .04	46.6	+ 5.0	80	28	58	24	18	36	41	33	65	2.78	+ 2.0	17	6,961	s.	43	ll.
Spokane	1,980	16	27.91	29.96	- .01	50.4	+ 6.4	82	29	59	36	15	42	32	35	65	2.29	+ 0.9	17	5,072	sw.	30	sw.
Walla Walla	1,018	11	28.89	29.98	- .04	54.4	+ 8.4	84	29	64	36	18	45	32	45	74	1.68	+ 0.0	15	5,472	s.	30	se.
<i>N. Pac. Coast Reg.</i>																							
East Clallam																							
Fort Canby	179	13	29.86	30.06	+ .04	49.7	+ 2.9	65	29	55	38	16	44	20	45	88	4.02	+ 1.7	19	8,929	w.	49	s.
Neah Bay	12																						
Port Angeles	20	12	29.97	30.00	+ .01	49.0	+ 1.6	64	29	55	38	15	42	27	40	74	4.30	+ 0.4	18	5,003	w.	38	w.
Port Crescent																							
Pysht																							
Seattle	119		29.88	30.01	- .00	52.4	+ 6.7	76	29	60	40	* 45	28	41	70	36	3.25	+ 1.7	17	4,046	s.	23	sw.
Tatoosh Island	86	13	29.91	30.01	- .00	48.4	+ 2.1	61	29	59	35	2	45	44	49	82	4.69	+ 0.1	20	8,387	w.	52	ne.
Astoria	12																						
Portland, Oreg.	157	26	29.87	29.94	- .04	52.2	+ 7.3	81	29	60	37	2	45	26	41	72	3.55	+ 1.2	20	6,813	nw.	38	s.
Roseburg	523	19	29.48	30.04	- .02	52.8	+ 4.9	81	28	61	35	12	45	34	42	73	4.52	+ 2.6	18	3,629	sw.	30	w.
<i>Mid. Pac. C'nt Reg.</i>																							
Eureka	64	10	30.05	30.11	+ .09	51.5	+ 2.0	62	*	58	38	9	46	20	45	84	6.22	+ 3.2	17	7,318	nw.	46	nw.
Redbluff	334	19	29.65	30.00	+ .06	61.2	+ 6.7	94	27	71	39	10	51	34	41	55	2.43	+ 2.0	15	11,157	nw.	36	sw.
Sacramento	71	19	29.94	30.01	+ .05	60.0	+ 4.8	96															

TABLE II.—*Meteorological record of voluntary and other cooperating observers, May, 1896.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
Alabama.	○	○	○	In.	In.		Arizona—Cont'd.	○	○	○	In.	In.		California—Cont'd.	○	○	○	In.	In.	
Alco †.....	94	59	76.0	4.05			Showlow	112	45	74.0	T.			East Brother L. H.	86	37	53.9	0.45		
Ashville*†.....	98	62	76.2	2.35			Signal †.....	112	45	74.0	0.00			Edgwood* ⁸	84	25	43.4	1.35		
Bermuda†.....	91	59	75.2	6.32			Sulphur Spring Valley†.....	116	50	76.5	0.00			Edmonton* ¹	106	35	62.4	7.20	20.0	
Birmingham†.....	94	57	76.5	3.19			Tucson †.....	106	40	73.6	T.			Escondido						
Brewton.....	96	58	76.6	3.20			Walnut Ranch* ¹	93	44	64.6	0.00			Evergreen						
Carrollton*†.....	89	60	75.6	4.88			Wells	115	43	74.9	0.00			Fallbrook* ¹	106	43	62.6	0.13		
Citronelle†.....	91	65	77.1	2.78			Whipple Barracks†.....	95	27	57.8	T.			Folsom City b ¹	97	48	64.4	1.57		
Claiborne†.....				2.80			Wilgus†.....				0.00			Fordyce Dam						
Clanton†.....	92	57	75.0	5.87			Willcox* ⁸	100	50	76.6	0.00			Fort Ross						
Cordova†.....				5.09										Fort Tejon						
Daphne†.....	96	62	78.8	3.95										Georgetown†.....	91	32	53.6	4.81		
Decatur†.....	97	52	74.2	4.09										Glendora						
Demopolis†.....				4.89										Goshen* ⁸	102	40	59.4	0.10		
Elba†.....				2.35										Grass Valley						
Eufaula a†.....	98	62	78.1	3.08										Greenville†.....	89	23	48.6	4.87		
Evergreen†.....	96	58	76.4	3.96										Guinda						
Florence†.....				3.06										Healdsburg ¹	90	40	55.0	2.24		
Fort Deposit†.....	93	55	75.0	2.98										Hollister	97	36	56.7	0.47		
Gadsden†.....	98	54	74.4	4.26										Hueneme						
Goodwater†.....	97	57	75.2	3.89										Humboldt L. H.						
Greensboro†.....	95	62	76.6	3.07										Hydesville†.....	72	35	51.9	4.50		
Hamilton†.....	98	59	78.1	4.44										Indio* ⁸	110	58	78.4	0.00		
Healing Springs†.....	95	52	73.8	6.18										Iowa Hill* ¹	87	38	54.0	4.58		
Highland Home†.....	92	51	75.7	2.70										Isabella* ⁵	104	34	63.1	0.04		
Jasper†.....	98	52	76.3											Jackson	84	32	51.9	2.11		
Livingston†.....	99	59	78.0	1.25										Jolon						
Lock No. 4.....				3.25										Julian†.....	93	30	56.4	0.10	1.0	
Madison Station†.....	92	52	73.4	3.93										Keeler* ⁸	99	44	68.4	0.15		
Marion†.....	93	62	76.7	2.87										Keene* ⁸	95	40	58.5	1.30		
Mount Willing†.....	95	60	78.0	1.82										Kennedy Gold Mine.....	90	34	55.7	2.27		
Newbern†.....	92	63	76.6	3.41										Kernville						
Newburg.....	95	52	74.4	2.44										King City* ⁸	108	43	62.7	0.04		
Newton†.....	94	57	76.2	1.30										Kingsburg* ⁸	100	55	68.3	0.05		
Oneonta†.....	94	54	74.4	4.57										Kono Tayee	86	39	56.9	1.69		
Opelika†.....	92	56	74.8	1.63										Lagrange* ⁵	104	42	64.2	0.45		
Oxanna†.....	91	54	73.2	2.72										Laporte* ¹	79	22	43.5	9.32		
Pineapple†.....	100	56	76.4	2.77										Lemoore a* ⁸	102	46	67.3	0.00		
Pushmataha†.....	97	61	77.6	3.02										Lick Observatory†.....	83	27	46.6	2.10		
Rock Mills†.....	92	55	74.2											Lime Kiln	105	38	66.1	0.86		
Scottsboro†.....	93	58	75.2	4.16										Lime Point L. H.						
Selma†.....				1.28										Lodi	94	38	60.4	0.82		
Sturdevant†.....				3.13										Los Alamos†.....						
Talladega* ¹	94	60	75.4											Los Gatos ^b	94	39	56.8	0.81		
Tallassee Falls†.....				4.39 ^c										McMullin* ¹	102	40	64.5			
Thomasville.....	95	60	78.1	4.55										Malakoff Mine* ¹	88	34	52.2	6.61		
Tuscaloosa†.....	100	57	78.0	3.52										Mammoth Tank* ⁸	114	61	82.9	0.00		
Tuscumbia†.....	95	60	75.9	3.00										Manzana	98	38	55.8	T.		
Union†.....	100	59	77.4	1.18										Mare Island L. H.						
Union Springs†.....	99	60	77.2	4.98										Merced* ⁸	101	45	62.6	0.29		
Uniontown†.....	94	64	78.2	2.95										Middletown* ¹	96	35	56.0	3.23		
Valleyhead†.....	90	49	71.7	4.75										Mills College						
Warrior†.....				3.24										Milton (near)* ¹	98	43	62.7	0.71		
Wetumpka†.....				4.26										Modesto* ⁸	98	40	61.2	0.51		
Wilsonville†.....				2.45										Mohave* ⁸	102	48	60.8	0.00		
Alaska.														Mokelumne Hill* ⁸	44	46	56.4	1.78		
Killisnoot.....	65	26	44.8	0.80										Monterey* ⁸	86	48	58.6	0.42		
Kodiak*†.....	57	20	39.1											Mountain Home						
Arizona.														Mount Frazier†.....						
Antelope Valley†.....				0.00										Mount Glenwood* ¹	93	49	62.8	0.70		
Arizona Canal Co. Dam.	105	42	72.5	0.00										Mt. Lowe Observatory						
Benson* ⁵	105	60	79.4	0.00										Mutah Flat†.....						
Bisbee†.....	96	43	69.6	0.00										Napa ^b	98	36	59.1	1.10		
Buckeye†.....	107	42	73.5	0.00										Needles	113	55	78.5	0.00		
Calabasas†.....	104	29	65.6	0.00										Nevada City†.....	.86	29	51.2	4.88		
Casa Grande* ⁸	110	58	78.5	0.00										Newcastle a†.....	89	36	56.3	1.79		
Dragoon Summit* ⁵	100	58	75.6	0.00										Newhall* ²	103	45	67.1	0.20		
Dudleyville†.....	106	42	72.1	T.										Nordhoff†.....	106	35	62.1	0.00		
Eagle Pass* ⁸	44	67.6	0.00											Oakland ^b	88	32	58.3	0.80		
Farleys Camp†.....	106	42	73.2	0.00										Ogilby* ⁸	118	46	88.6	0.00		
Flagstaff†.....	93	22	52.8	T.										Oleta* ¹	96	42	54.6	2.41		
Fort Apache.....	97	28	60.1	0.00										Orangevale†.....	98	38	59.8	1.77		
Fort Grant.....	100	42	68.6	0.00										Orland* ⁸	103	45	64.3	1.65		
Fort Huachuca†.....	97	39	67.4	0.00										Oroville ^b	95	44	63.8	2.08		
Fort Mohave†.....	117	48	81.3	T.										Palermo†.....	93	35	61.5	0.80		
Gilabend a* ⁸	112	58	81.4	0.00										Paso Robles ^b	94	36	58.0	0.77		
Gilabend b†.....	116	45	77.6	T.										Peachland* ¹	92	44	56.8	2.26		
Glendale.....	107	41	72.1	0.00										Picacho.....	112	53	79.8	T.		
Holbrook†.....	97	28	61.6	T.										Piedras Blancas L. H.						
Ingleside.....	114	42	74.2	0.00										Pigeon Point L. H.						
Marcopano* ⁸	118	60	79.3	0.00										Pilot Creek						
Mesa†.....	110	44	75.2	0.00										Point Año Nuevo L. H.						
Mount Huachuca†.....	103	38	69.2	T.										Point Arena L. H.						
Natural Bridge†.....				0.00										Point Bonita L. H.						
Oracle†.....	102	41	69.6	0.00										Point Conception L. H.						
Oro.....				0.00										Point Fermiñ L. H.						
Oro Blanco.....	103	42	74.4	T.										Point George L. H.						
Pantano* ⁸	108	53	77.2	0.00										Point Hueneme L. H.						
Pinal Ranch.....				T.										Point Lobos	86	48	54.3	0.91		
Reymert†.....	109	42	73.1	0.00										Point Loma L. H.						
San Carlos†.....	111	39	70.8	0.00										Point Montara L. H.						
San Simon* ⁸	105	56	73.5	0.00										Point Pinos L. H.						

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>California—Cont'd.</i>																	
Ravenna * ⁸	102	50	65.9	0	Ins.	Ins.	Fort Collins †.....	88	31	57.0	1.63	Avonpark †.....	95	59	78.0	3.08	In.
Redding ^b †.....	94	38	60.2	8.97			Garnett.....	.....	.....	.....	0.02	Bartow †.....	93	58	77.0	2.83	
Redeley (near) * ¹	101	50	69.8	T.			Gleneyrie †.....	81	30	55.2	1.24	Brooksville †.....	93	58	76.8	4.42	
Repressa.....	90	40	60.2	1.62			Goldhill * ⁵	78	26	51.4	1.63	Carrabelle † ⁴	90	61	76.4	1.90	
Riovista.....	91	37	59.2	0.67			Grand Junction †.....	94	35	62.4	4.4	Clermont †.....	100	58	80.4	2.12	
Riverside.....				0.58			Greeley †.....	86	32	58.4	1.42	Earnestville †.....	100	56	79.6	3.11	
Robertson's Mills.....				0.20			Gulch †.....	87	13	50.1	1.30	Emerson †.....	98	54	79.5	3.90	
Roe Island L. H.....				0.40			Gunnison †.....	83	13	48.4	0.01	Eustis †.....	95	55	78.4	2.45	
Roseville (near) * ⁵	96	40	58.4	1.14			Holly .....	.....	.....	.....	.....	Federal Point †.....	95	55	79.4	0.68	
Rosewood.....	93	34	58.4	3.15			Holyoke a.....	.....	.....	.....	.....	Fort Meade †.....	95	52	73.6	4.60	
Sacramento.....	96	39	62.3	0.92			Hugo * ⁶	92	30	58.8	.....	Frostproof * ¹	92	55	76.0	3.30	
Salinas * ³	95	45	58.5	0.47			Hugo (near).....	85	30	56.5	1.05	Gainesville †.....	98	54	79.0	3.16	
Salton * ⁸	124	62	84.1	0.00			Husted †.....	87	28	56.0	1.25	Grasmere †.....	100	57	78.5	2.08	
San Bernardino †.....	102	38	64.2	1.00			Jamestown.....	79 ^a	19	49.8	1.12	Kissimmeé †.....	97	60	79.4	1.51	
San Jacinto †.....	103	38	64.6	0.22			Kit Carson * ¹	96	40	67.4	.....	Lake Butler †.....	96	59	77.4	4.67	
San Jose b.....	95	32	57.2	0.44			La Jara	87	18	51.9	T.	Lake City †.....	95	52	78.9	1.36	
San Leandro * ¹	90	50	60.5	0.91			Lake Moraine †.....	69	12	43.9	1.35	Lemon City †.....	91	53	78.5	2.32	
San Luis L. H.....				0.00			Lamar	98	38	68.0	0.55	Maccleeny †.....	100	48	77.4	3.22	
San Mateo * ²	91	51	63.3	0.83			Laporte.....	.....	.....	.....	.....	Manatee †.....	96	54	75.5	1.75	
San Miguel * ²	96	41	63.0	0.24			Las Animas †.....	92	31	60.7	2.45	Merrits Island †.....	88	63	77.1	2.01	
San Miguel Island †.....	101	46	57.2	0.90			Lay †.....	87	12	50.7	0.66	Milton †.....	90	60	76.7	9.02	
Santa Ana * ²	105	60	75.4	0.00			Leadville (near) * ¹	70	22	42.0	0.77	Mullet Key †.....	88	67	78.2	3.32	
Santa Barbara a.....	98	42	61.4	0.08			Leroy †.....	90	31	59.8	2.36	Myerst.....	87	53	72.6	0.97	
Santa Barbara L. H.....				0.18			Longmont †.....	95	33	60.4	5.60	New Smyrna †.....	88	68	77.3	.....
Santa Clara a * ²	88	40	56.3	0.32			Longs Peak	78	19	47.4	1.21	Oakhill * ¹	88	68	76.9	1.53	
Santa Cruz b.....	95	34	57.2	1.66			Lovelad .....	.....	.....	.....	.....	Ocala * ¹	93	51	76.9	.....
Santa Cruz L. H.....				0.90			Manhattan.....	.....	.....	.....	.....	Orange City †.....	96	63	79.0	4.12	
Santa Maria.....	102	37	59.1	0.03			Meeker †.....	90	17	52.4	0.54	Orionepark.....	94	54	74.6	4.08	
Santa Monica * ²	99	53	68.7	0.00			Millbrook †.....	84	20	53.0	0.19	Orlando †.....	95	57	77.6	2.71	
Santa Paula b †.....	106	40	63.6	0.00			Minneapolis †.....	100	38	68.5	0.80	Oxford * ¹	97	60	78.2	3.30	
Santa Rosa * ⁸	92	49	64.1	1.45			Montrose.....	92	27	63.2	0.13	Plant City †.....	98	54	77.8	2.07	
Saticoy †.....				0.00			Moraine †.....	74	21	47.0	1.62	Quincy †.....	98	60	75.0	5.08	
Shasta.....				0.17			Pagoda	85	15	50.2	0.75	St. Francis †.....	94	53	74.4	2.99	
Shasta Springs †.....	95	28	49.0	6.45			Panonia †.....	91	29	59.2	0.21	St. Francis Barracks.....	20	57	74.4	2.05	
Sheddens Ranch, * ¹	88	26	55.2	0.57	2.0		Parachute †.....	91	29	59.2	0.21	Tallahassee †.....	94	52	77.4	2.60	
S. E. Farallone L. H.....				0.80			Pinkhamton * ¹	74	20	48.4	0.87	Tarpon Springs †.....	85	56	74.6	2.12	
Stanford University.....	94	34	56.2	0.40			Redclif .....	.....	.....	.....	.....	Georgia.					
Stockton a.....	95	41	59.8	0.96			Rico †.....	82	20	47.0	0.35	Adairsville †.....	98	53	74.3	3.18	
Summerdale †.....	81	23	45.8	1.45	5.0		Riverbend * ⁵	90	18	54.2	1.24	Alapaha	98	51	77.8	0.85	
Susanville †.....	85	29	51.4	2.22			Rockyford †.....	94	33	62.9	1.12	Albany †.....	98	56	79.4	2.14	
Sutter Creek * ⁵	86	30	51.4	2.68			Ruby †.....	.....	.....	.....	.....	Allentown †.....	100	56	79.4	2.34	
Tecate Dam * ⁴	101	32	56.0	0.15			Saguache †.....	70	20	44.0	0.00	Americus †.....	100	58	79.6	1.85	
Tehama * ⁶	95	47	62.8	1.23			St. Cloud †.....	.....	.....	.....	.....	Athens	95	56	75.3	1.78	
Tejon Ranch.....				0.48			San Luis †.....	90	22	52.6	1.30	Bainbridge †.....	100	55	79.4	1.05	
Templeton * ³	100	43	61.1	0.54			Santa Clara * ¹ †.....	86	28	53.6	1.10	Blakely * ⁴	95	59	76.4	1.73	
Trinidad L. H.....				5.72			Seibert	90	28	50.2	0.28	Brag †.....	101	51	77.4	1.36	
Truckee * ⁸	82	28	43.7	0.54	3.0		Sherwood Ranch.....	78	18	47.2	0.40	Brunswick †.....	89	51	76.1	1.60	
Tulare b.....				0.15			Smoky Hill Mine †.....	79	23	49.2	1.15	Camak	97	52	77.0	2.32	
Tulare c.....	110	38	66.5	0.14			Stamford * ¹	78	20	45.0	0.80	Canton	92	47	71.2	1.55	
Turlock b †.....	102	34	66.2	0.72			Sulphur Springs †.....	84	17	48.0	1.24	Clayton †.....	97	60	71.1	2.14	
Ukiah.....	93	34	55.4	2.94			Surface Creek †.....	91	25	55.2	0.07	Columbus †.....	97	56	79.1	1.80	
Upper Lake.....	92	35	55.5	2.07			Thoth †.....	90	26	56.1	0.81	Cordele	97	56	76.9	1.88	
Upper Mattole.....				9.91			T. S. Ranch †.....	89	30	58.4	0.21	Covington	98	55	75.5	1.88	
Vacaville a * ¹	96	48	61.8	1.25			Twin Lakes.....			.....	.....	Dahlonega †.....	89	50	70.4	5.05	
Ventura †.....	100	34	57.0	T.			Villas .....			.....	.....	Diamond †.....	91	47	69.7	2.55	
Volcano Springs * ²	122	62	69.4	0.00			Wallet †.....	68	32	47.6	1.30	Eastman	100	44	76.3	1.34	
Walnutcreek.....	99	41	62.0	0.33			Watkins * ¹	68	32	47.6	1.0	Elberton †.....	95	55	76.4	2.10	
Washington * ¹	93	30	53.0	6.68	T.		Wray †.....	93	32	63.4	1.64	Fleming †.....	96	49	76.0	6.16	
Westpoint †.....				2.20			Yuma .....	.....	.....	.....	.....	Fort Gaines	96	53	78.0	4.58	
Wheatland †.....				0.54			<i>Connecticut.</i>			.....	.....	Gainesville	94	56	74.7	1.53	
Williams * ⁸	94	45	64.1	0.36			Bridgeport	95	37	62.4	4.81	Griffin †.....	97	59	78.4	1.14	
Willows b * ⁸	92	49	64.5	0.88			Canton †.....	89	32	60.2	2.98	Hephzibah * ⁶	92	60	76.6	1.30	
Wilmington * ⁶	95	51	67.9	0.00			Colchester	91	32	61.0	4.97	Lagrange †.....	97	53	76.0	1.53	
Wire Bridge * ⁵	95	44	62.0	2.46			Falls Village .....	.....	.....	.....	.....	Leverett †.....	97	51	78.0	1.20	
Yerba Buena L. H.....				0.77			Greenfield Hill .....	.....	.....	.....	.....	Lumpkin †.....	97	60	78.2	1.17	
Yreka †.....	89	27	51.4	2.75			Hartford b .....	.....	.....	.....	.....	Macon †.....	98	51	79.5	1.82	
Yuba City * ⁵	94	50	64.8	0.90			Hartford c	92	39	63.2	2.51	Marietta †.....	90	56	73.2	2.14	
Engineers Quarters †.....				0.47			Lake Konomoe	92	34	62.5	2.87	Marshallville †.....	96	52	78.7	3.10	
Morses House †.....				0.89			Middletown	94	34	62.5	3.00	Milledgeville †.....	95	58	76.1	2.81	
Grass Valley †.....				0.54			New London †.....	93	36	58.5	3.00	Millen	100	54	78.2	2.81	
Deep Creek †.....				0.28			North Franklin	92	29	56.5	5.52	Monticello * ¹	92	58	79.5	.....
Holcomb Creek †.....				0.25			North Grosvenor Dale	94	29	58.6	2.18	Morgan †.....	97	56	75.8	1.67	
Squirrel Inn †.....				0.8													

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Idaho—Cont'd.</i>						<i>Illinois—Cont'd.</i>						<i>Iowa—Cont'd.</i>					
Chesterfield †.....	83	16	45.9	2.51	1.0	Oswego * ¹	89	48	66.1	7.32		Cedar Rapids †.....	100	46	69.8	3.99	Ina.
Cœur d'Alene	80	33	48.3	.....		Ottawa †.....	94	46	68.7	4.24		Centerville	92	48	68.3	7.71	
Corral *†.....	76	28	49.8	2.52	1.5	Palestine †.....	92	47	70.8	3.90		Chariton	87	46	66.5	7.36	
Dairy †.....	81	18	43.7	3.31		Paris †.....	96	50	72.6	5.92		Charles City †.....	89	44	64.9	7.34	
Downey †.....	89	22	46.0	3.32	0.5	Peoria a†.....	93	49	72.3	5.74		Clarinda †.....	83	42	63.8	7.48	
Fort Lemhi †.....	86	20	47.0	1.82	5.0	Peoria b †.....	93	49	72.3	5.74		Clinton	92	46	69.0	4.90	
Fort Sherman †.....	81	32	49.0	3.11	T.	Philo †.....	96	48	68.9	3.99		College Springs	87	48	68.6	7.89	
Fraser †.....	82	23	45.9	4.20	1.0	Plumhill * ¹	94	52	71.1	6.96		Council Bluffs	96	42	66.2	6.27	
Grangeville	78	28	45.0	4.94	15.3	Rantoul * ¹	93	51	68.6	4.95		Cresco †.....	86	42	62.9	6.74	
Idaho City †.....	81	23	44.6	6.26	8.2	Reynolds	88	46	67.6	5.69		Decorah	89	42	64.4	8.90	
Idaho Falls						Riley †.....	89	45	65.8	5.04		Delaware * ¹	88	45	64.8	9.57	
Kootenai †.....	83	26	51.6	.....		Robinson * ¹	92	55	69.0	3.93		Denison †.....	87	42	65.8	8.16	
Lake †.....	70	14	36.8	2.50	25.0	Rockford †.....	92	50	69.0	6.31		Dows	86	41	63.7	7.61	
Lewiston †.....	93	34	54.0	1.70		Rose Hill * ¹	94	58	71.4	.....		Eldora	85	41	65.0	6.73	
Lost River †.....						Roundgrove †.....	93	43	68.4	4.34		Elkader †.....	92	42	65.6	5.58	
Martin †.....	78	13	43.0	3.45		Rushville	91	47	70.3	4.31		Estherville	89	41	62.6	4.53	
Minidoka †.....	91	12	47.6	3.08	2.5	St. Charles * ¹	90	48	66.7	5.77		Fairfield †.....	89	40	66.1	7.42	
Moscow †.....	84	31	47.4	3.80	6.9	St. John * ¹	94	59	73.7	9.46		Forest City	87	39	63.0	6.64	
Murray †.....	82	29	45.8	5.07	T.	Scales Mound †.....	90	44	67.4	7.97		Fort Madison * ¹	83	55	71.8	6.29	
Nampa	81	27	49.8	3.19	T.	Streator †.....	90	43	68.8	5.98		Galva.....	89	45	64.2	7.44	
Oakley †.....	83	23	49.4	1.20	7.0	Sycamore * ¹	89	48	66.2	3.80		Gardengrove	89	40	65.2	8.62	
Orchard †.....	88	28	48.8	2.86		Tiskilwa * ¹	92	50	67.2	4.71		Glenwood †.....	94	34	68.0	10.03	
Paris †.....	80	15	44.5	2.27		Walnut †.....	90	49	68.7	4.12		Grand Meadow * ¹	86	46	69.9	8.02	
Pavette †.....	88	29	55.6	2.20		Warsaw †.....						Greenfield †.....	95	43	65.3	7.48	
Pollock †.....	85	32	53.0	2.89		Wheaton * ¹	50	65.2	7.07			Grinnell †.....	86	50	67.4	9.03	
Roseberry †.....	74	21	43.4	0.98	3.0	Winnebago †.....	88	44	66.0	6.50		Grundy Center	83	43	64.0	4.48	
Salubria †.....	90	27	51.8	4.86	3.0	Zion †.....	88	41	65.0	8.35		Guthrie Center	83	42	63.5	5.73	
Soldier †.....	75	23	43.2	2.19	6.0	<i>Indiana.</i>						Hawkeye					
Swan Valley †.....	82	11	45.6	8.71	5.5	Anderson †.....	90	47	68.7	3.86		Hoperville	88	44	65.9	7.36	
Warren †.....	78	16	40.5	8.47		Angola * ¹	91	45	67.6	4.35		Humboldt †.....	89	42	66.1	8.80	
<i>Illinois.</i>						Bloomington †.....	93	48	70.2	5.12		Independence †.....	87	42	63.4	4.24	
Albion †.....	89	50	70.6	13.21		Bluffton †.....	92	45	68.3	5.63		Indianola †.....	87	34	66.4	5.49	
Alexander †.....	93	46	71.4	4.27		Butterville †.....	94	46	69.9	2.75		Iowa City ct.....	90	44	67.8	4.10	
Ashton * ¹	91	53	68.0	5.74		Cambridge City †.....	90	45	67.4	2.85		Iowa City b.....	85	42	65.8		
Atlanta	95	51	70.2	4.60		Columbus City * ¹	89	50	68.0	4.33		Iowa Falls †.....	87	43	68.3	7.76	
Atwood a * ¹	90	46	66.2	6.16		Columbus †.....	94	46	68.9	1.97		Kenosauqua †.....	89	48	69.2	7.52	
Atwood b					Connersville †.....	92	47	68.6	3.35		Knoxville	89	46	67.4	4.27		
Aurora a	96	46	69.3	8.12		Delphit	87	44	64.8	4.57		Larrabee †.....	87	38	63.0	6.49	
Aurora b †.....	91	45	66.4	6.90		Edwardsburg * ¹	90	54	72.4	4.59		LeClaire †.....					4.01
Beardstown †.....					Evansville †.....	94	49	71.7	5.39		Lemars	87	42	65.0	8.64		
Bloomington †.....	94	45	70.3	6.79		Farmland †.....	89	48	68.0	4.49		Lenoxx * ¹	87	51	66.2	8.45	
Bushnell †.....	94	47	71.6	4.44		Franklin * ¹	91	58	69.8	2.23		Logan †.....	89	40	64.0	7.93	
Cambridge	89	47	68.2	4.33		Greencastle †.....	88	53	69.0	5.19		Madrid	90	42	62.8	6.31	
Carlinville †.....	92	47	71.0	8.11		Greenburg						Malvern * ¹	92	40	65.4	7.12	
Carlyle					Hammond †.....	94	44	66.7	3.95		Maple Valley						
Carrollton	87	49	69.2	6.94		Huntington	91	49	68.0	6.56		Mason City ct.....	87	40	62.4	7.81	
Catlin †.....	92	50	5.07	5.07		Jasper †.....	93	49	70.9	6.52		Mason City b.....	92	56	69.4	7.46	
Cazenovia * ¹	94	50	71.0	5.51		Jeffersonville	91	52	71.8	4.37		Mechanicsville	89	44	66.0	3.98	
Charleston	94	47	70.5	6.41		Knightstown	91	46	69.6	4.56		Millman	84	43	63.3	4.54	
Chester †.....	94	58	71.6	7.59		Kokomo †.....	93	50	69.9	4.90		Monticello * ¹	84	43	63.3	3.67	
Cisne * ¹	94	42	68.6	7.05	Lafayette †.....	92	45	69.0	4.71		Moar	91	41	67.4	3.86		
Clearcreek †.....	94	42	68.6	7.05	Logansport b †.....	89	49	68.4	4.23		Mount Pleasant * ¹	88	55	69.6	6.55		
Cobden	92	48	71.0	9.30	Madison †.....	93	52	71.4	5.63		Mount Vernon * ¹	91	52	66.6			
Cordova †.....					Marengot	94	49	70.3	5.89		Neola	89	41	65.6	9.47		
Decatur †.....	92	49	70.9	4.75	Rockville †.....	93	47	69.5	4.65		Newton	87	45	65.2	7.13		
Dixon †.....	90	46	67.8	5.87	Rushville						North McGregor †.....						
Duquois * ¹	94	58	73.9	8.80	Scottsburg †.....	91	52	70.6	6.51		Northwood	88	42	62.7	6.01		
East Peoria †.....	92	43	69.6	4.77	Seymour †.....	92	51	71.0	3.39		Ogden	90	40	64.8	9.66		
Evanson * ¹	95	50	64.7	.....	South Bend †.....	90	45	67.3	3.01		Osage * ¹	91	40	66.4	6.67		
Fort Sheridan †.....	88	43	64.2	2.35	Sunman	91	48	68.6	3.37		Osceola	90	43	65.4	6.64		
Friendsgrove * ¹	50	65.6	8.67		Syracuse †.....						Oskaloosa	89	47	68.3	5.51		
Galva †.....	90	45	68.2	5.25	Terre Haute †.....						Ottumwa	89	47	68.3	7.52		
Glenwood * ¹	88 ^a	42	62.5	4.44	Valparaiso †.....	90	46	66.7	6.42		Ovid †.....	87	44	66.0	7.59		
Grafton †.....					Vevay	94	50	72.8	6.27		Panama †.....	86	43	64.6	8.06		
Greenville †.....	95	49	72.1	7.28	Vincennes	96	49	73.0	4.84		Portsmouth	89	40	66.2	8.88		
Griggsville †.....	91	50	71.0	8.10	Worthington †.....	90	51	70.6	4.09		Primghar	86	40	63.2	5.09		
Halliday * ⁵	90	64	78.4	7.05	Indian Territory.						Reinbeck	88	34	58.5	6.70		
Havana †.....	91	48	71.6	4.81	Eufaula †.....						Rock Rapids	87	42	64.6	6.75		
Herrins Prairie * ¹	88	56	73.5	5.00	Headlton †.....	102	50	77.4	0.83		Sac City †.....	90	43	67.4	7.27		
Hillsboro * ¹	96	50	72.3	6.62	Kemp †.....	103	50	78.6	2.08		Seymour †.....	88	43	67.4	7.27		
Iron †.....	92	54	72.4	7.12	Lehigh †.....	98	48	76.0	1.87		Sibley	87	48	66.8	7.68		
Joliet †.....	95	45	69.5	5.28	Purcell †.....	98	41	72.6	8.74		Sigourney	91	48	68.4	4.39		
Jordans Grove †.....	88	52	71.0	8.56	Tahlequah †.....	92	42	72.0	5.36		Spencer	87	39				

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
Kansas—Cont'd.																	
Augusta	95	90	71.6	5.31	In. Ins.	Frankfort	98	98	70.4	4.09	In. Ins.	Maryland—Cont'd.	90	90	69.8	4.66	
Baker	89	43	68.0	9.85		Franklin ^{*†}	92	61	73.0	6.52		Charlottesville	90	88	69.7	1.16	
Beloit ^t	92	43	67.4	6.11		Georgetown	93	51	71.8		Cherryfield ^{s†}	95	95	67.8	6.24	
Blaine	92	32	67.8	7.90		Greendale [*]	91	52	71.9	3.10		Chestertown ^t	89	41	66.6	3.96	
Burlington ^t	90	44	70.2	6.59		Greensburg ^{*†}	91	54	72.0	4.30		Collegepark	93	36	66.2	2.54	
Campbell	91	42	67.2	9.21		Harronds Creek ^t	94	62	69.5	4.43		Cumberland ^{a†}	89	46	66.5	5.09	
Chanute ^t	87	47	70.2	4.70		Henderson ^t	96	54	73.5	6.19		Cumberland ^b	94	51	71.2	5.17	
Colby ^t	98	33	68.0	2.13		Leitchfield ^t	92	47	70.2	6.41		Darlington ^t	92	42	68.8	2.53	
Coldwater ^t	102	40	70.2	1.41		Louisiana ^t	93	48	70.8	3.51		Deerpark	85	33	61.3	5.65	
Collyer ^{*†}	98	48	65.5	3.00		Marrowbone ^t	93	49	70.9	4.44		Denton	93 ^a	45 ^d	70.4 ^d	2.77	
Columbus ^t	92	44	71.0	11.41		Maysville ^{*†}	90	60	73.2		Easton ^t	91	38	67.1	3.55	
Coolidge ^t	101	35	66.3	1.00		Middlesboro ^t	96	46	70.6	3.00		Ellicott City	88	45	68.4	1.77	
Cunningham ^t	104	39	72.6	1.27		Mount Sterling ^t	92	49	69.6	2.41		Fallston ^{*†}	91	42	65.2	3.20	
Downs	92	5.06			Owenton ^t	93	54	71.4	5.48		Flintstone	92	38	66.4	3.10	
Dresden ^{*†}	92	48	65.1	2.00		Paducah ^{a†}	92	48	68.4		Frederick ^a	94	42	66.6	1.40	
Edgingham	92	41 ^c	69.6 ^c		Paducah ^{b†}	96	54	74.9	8.79		Frederick ^b	93	50 ^{*d}	66.0	
Eldorado ^t	93	45	72.6	5.10		Pleasure Ridge Park ^t	94	47	70.2	4.75		Grantsville	86	38	62.0	4.07	
Elgin ^{*†}	94	54	71.2	5.08		Princeton ^t	96	48	72.6	11.10		Greatfalls ^{s†}	91	50	68.9	4.12	
Ellinwood ^{*†}	102	42	66.6	2.52		Pryorburg	104	50	76.6	8.21		Greenspring Furnace	94	42	67.2	1.64	
Emporia ^t	90	48	70.4	6.20		Richmond		Hagerstown ^t	93	45	68.8	0.87	
Englewood ^t	106	31	68.5	1.59		Russellville ^t	92	51	72.9	7.30		Jewell ^t	93	45	68.3	4.86	
Eureka ^t	6.83			St. John ^t	90	48	69.9	5.04		Johns Hopkins Hospital	96	43	68.4	
Eureka Ranch ^t	97	35	66.8	2.41		Sandyhook ^t	93	53	71.8	3.77		Laurel	94	38	67.9	3.20	
Fort Riley ^t	90	45	69.2	7.11		Shelby City ^t	98	48	73.1	5.60		McDonogh	90	42	67.2	3.81	
Fort Scott	12.67			Shelbyville ^t	98	48	69.1	3.17		Mardela Springs ^t	93	38	67.2	1.27	
Frankfort	95	43	70.1	10.38		Southfork ^t	91	49	69.2	4.92		New Market	93 ^a	43 ^d	67.6 ^d	
Garden City ^t	100 ^b	38 ^b	66.6 ^b	1.95		Springfield ^t	92	49	70.6	2.41		Pocomoke City	93	47	70.2	2.59	
Garfield	1.34			Vanceburg ^t	92	49	71.4	4.48		Princess Anne	92	31	66.3	2.17	
Gibson ^{*†}	92	38	64.1	1.57		Williamsburg ^t	99	49	71.4	4.48		Sharpsburg	92	43	66.6	1.91	
Gove ^{*†}	91	45	65.7	2.80	Louisiana	Abbeville	92	62	76.8	2.65		Solomont	92	45	69.8	4.44	
Grainfield ^{*†}	88	42	66.3	2.92	Alexandria ^t	98	60	77.4	2.21		Sunnyside	84	35	61.5	5.92		
Grenola ^{*†}	92	46	67.3	1.73	Amitie ^t	98	58	77.5	2.43		Van Bibber	96	41	67.2	2.97		
Halstead	90	42	68.3	2.40	Bastrop ^t	96	59	76.0	2.12		Western Port	96	42	67.4	3.67		
Hays ^t	95	40	68.2	3.01	Baton Rouge ^t	96	60	78.0	1.18		Westminster	94	44	70.4	2.15		
Horton ^t	89	43	68.0	10.51	Calhoun ^t	99	57	77.2	1.53		Woodstock	94	38	66.8	1.85		
Hutchinson ^t	100	48	71.2	2.06	Cambridge ^t	92	62	76.8	2.65	Massachusetts	.....	.....	.....	.....
Independence ^t	94	49	73.4	7.20	Cameron ^t	97	63	81.8	1.01	Adams	88	36	62.1	.....		
Jacqua ^t	98	30	67.4	1.15	Cheneyville ^t	97	58	77.7	2.10	Amherst	90	33	60.2	2.46			
Lawrence	90	44	68.4	7.12	Clinton ^t	100	62	80.2	1.71	Amherst Ex. Station ^b	94	32	61.0	2.58			
Lebo ^t	92	43	71.0	7.11	Covington ^t	95	58	76.7	1.92	Andover ^{*†}	91	31	57.5	2.46			
Lyons	103 ^a	48	72.4 ^t	6.58	Davis	96	54	75.2	1.85	Ashland	.....	.....	.....	.....
Macksville ^t	107	31	70.4	2.26	Donaldsonville ^t	96	62	78.0	3.69	Attleboro	92	32	59.0	2.74			
McPherson ^t	98	44	70.2	2.77	Elm Hall	95	55	74.4	.....	Bedford	92	32	59.0	2.22		
Manhattan ^b	98	40	69.9	7.41	Emilie ^t	93	60	77.6	1.01	Beverly Farms	92	35	56.3	2.12			
Manhattan ^c	97	40	72.2	7.78	Farmerville	94	58	76.4	2.71	Bluehill (summit)	93	37	58.8	2.75			
Marion ^t	95	42	72.0	5.20	Franklin ^t	96	59	78.4	3.75	Bluehill (valley)	94	28	57.9	2.87			
Meade ^t	106	44	73.4	1.10	Grand Coteau	93	65	76.0	3.55	Boston ^a	94	31	60.0	1.42			
Medicine Lodge ^t	103	41	74.6	3.98	Hammond ^t	97	56	77.2	2.16	Brookton ^a	94	32	60.0	1.79			
Minneapolis ^t	98	42	69.7	5.97	Jeanerette ^t	97	61	78.8	2.95	Brookton ^b	94	32	60.0	2.21			
Morantown ^t	88	46	70.2	4.89	Lafayette ^t	98	60	78.4	3.33	Cambridge ^a	94	24	60.6	2.04			
Morton ^t	105	41	70.6	0.70	Lake Charles ^t	96	62	78.0	2.10	Cambridge ^b	89	36	60.4	2.42			
Mount hope [*]	98	51	72.0	2.20	Lake Providence	97	62	79.6	1.31	Chestnut Hill	92	31	61.2	1.85			
Ness City ^t	99	40	69.7	1.65	Lawrence	97	56	78.3	0.75	Clinton	.....	.....	1.55	.....		
New England Ranch ^t	94	35	65.0	3.81	Liberty Hill	101	56	77.4	1.75	Cohasset	.....	.....	2.77	.....		
Norton ^t	93	35	63.4	2.92	Maurepas	100	56	78.4	0.96	Concord ^t	92	30	58.8	2.26			
Norwich	.....	.....	2.48		Melville ^t	95	59	77.5	4.52	Dudley ^t	90*	34	60.5	1.80	
Oberlin ^t	91	43	69.7	7.34	Minden	99	53	76.7	4.22	East Templeton ^{*†}	89	39	60.0	1.68			
Olathe ^t	92	47	73.0	7.00	Monroe ^t	96	60	78.3	1.21	Egg Rock, Nahant	88	37	56.4	.....		
Oswego ^t	92	41	69.0	6.66	New Iberia	95	62	78.4	1.05	Fallriver	94	38	62.1	2.87			
Ottawa ^t	92	41	69.0	6.66	Oakridge ^t	99	57	78.0	1.16	Fiskdale	90	40	60.2	2.08			
Paola ^t	89	43	69.2	9.20	Oberlin ^t	97	59	77.5	2.40	Fitchburg ^a ^{*†}	93	35	60.2	1.92			
Phillipsburg ^t	98	40	64.6	8.99	Opelousas ^t	98	60	77.3	3.00	Fitchburg ^b	94	32	62.1	2.83			
Pleasant Dale ^t	95	40	68.9	3.34	Oxford ^t	94	58	75.0	2.47	Framingham	91	31	58.7	2.15			
Pratt ^t	100	41	70.4	1.35	Paincourtville ^t	95	59	77.6	1.90	Groton	92	31	60.1	2.53			
Rome ^{*†}	98	45	71.4	3.34	Plain Dealing ^t	93	56	76.2	3.66	Hadley	92	30	60.1	3.48			
Russell ^t	97	41	69.2	3.87	Rayne ^t	98	60	78.8	3.95	Hingham	92	31	60.1	2.09			
Salina ^t	97	42	70.0	5.41	Ruston ^t	.....	.....	.....	.....	Hyannis ^{*†}	88	38	60.0	2.88
Scott City ^t	98	33	64.8	1.70	Schriever ^t	96	58	77.1	2.69	Hydepark ^{*†}	93	38	62.2	2.33			
Sedan ^t	92	46	71.3	5.51	Southern University ^t	91	60	76.1	1.75	Lake Cochituate	95	39	59.9	2.33			
Sharon Springs ^{*†}	94	45	65.5	T. 0.25	Sugar Ex. Station ^t	94	61	78.6	1.65	Lawrence	96	33	62.1	2.43			
Tribune ^t	108 ^a	38 ^a	68.2 ^a	0.80	Sugartown ^t	93	64	79.0	2.00	Leeds	92	31	60.5	2.58			
Ulysses ^t	97	49	70.0	12.01	Thibodeaux	.....	.....	.....	.....	Leicester Hill	90	33	59.2	3.92
Wakefield ^{*†}	97	38	68.1	0.39	Venice ^t	94	61	78.2	0.14	Leominster	90	33	59.2	2.16			
Wallace ^t	90	42	68.8	9.66	Wallace	95	63	78.7	0.87	Long Plain ^{*†}	94	32	58.6	3.55			
Wamego ^{*†}	90	42	68.8	9.66	West End	.....	.....	.....</						

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean	Rain and melted snow.	Total depth of snow.
<i>Massachusetts—Cont'd.</i>																	
Plymouth* ¹	98	43	60.2	2.93	Ins.	Saranac.....	89	36	64.0	1.99	.....	Fulton†.....	96	50	77.0	2.15	Ins.
Princeton.....	90	35	58.7	2.37	.....	Somerset.....	88	40	64.4	2.38	.....	Greenville a.....	94	60	77.7	0.32	.....
Provincetown.....	90	34	62.0	2.81	.....	South Haven.....	85	43	63.9	1.39	.....	Greenville b†.....	96	52	77.0	1.09	.....
Quinapoxet.....	90	34	62.0	2.81	.....	Stanton.....	82	38	64.1	2.27	.....	Hazlehurst.....	97	60	78.1	0.92	.....
Roxbury.....	93	36	59.3	1.89	.....	Thorntown.....	90	40	66.4	2.03	.....	Hernando.....	95	59	75.8	0.39	.....
Salem.....	.....	.....	2.16	.....	Three Rivers.....	97	40	68.5	2.45	.....	Holly Springs†.....	96	59	75.9	4.06	.....
Salisbury.....	.....	.....	2.44	.....	Thunder Bay Island* ¹⁰	78	42	57.5	.....	.....	Jackson†.....	99	60	78.2	2.46	.....
Somerset* ¹	97	33	62.2	2.79	.....	Two Heart River* ¹⁰	84	29	56.8	3.12	.....	Lake†.....	93	59	75.6	4.25	.....
South Clinton.....	.....	.....	2.45	.....	Vandalia.....	89	46	65.7	3.12	.....	Leakesville†.....	96	59	76.6	8.16	.....
Springfield Armory.....	93	32	61.4	2.57	.....	Ypsilanti.....	83	37	62.6	3.95	.....	Logtown†.....	98	63	77.2	5.16	.....
Sterling.....	.....	.....	2.25	.....												
Taunton b.....	94	30	59.9	3.21													
Taunton c.....	92	25	57.1	3.22													
Turners Falls.....	89	36	60.9	2.16													
Wakefield†.....	94	33	59.7	2.54													
Waltham.....	.....	.....	2.01	.....												
Webster.....	.....	.....	1.99	.....												
Westboro†.....	93	30	62.0	2.50													
Williamsstown* ¹	85	47	59.3	2.22													
Winchendon.....	.....	.....	2.72	.....												
Winchester.....	.....	.....	1.80	.....												
Worcester a.....	90	35	59.7	2.40													
Worcester b.....	89	38	61.8	2.78													
<i>Michigan</i>																	
Adrian.....	92	41	65.9	3.79													
Allegan.....	90	39	66.2	3.40													
Alma.....	89	38	63.6	2.04													
An Arbor.....	86	44	65.1	2.14													
Arbela.....	89	38	63.5	1.21													
Ball Mountain.....	88	43	63.4	3.80													
Baraga.....	95	26	53.1	3.51													
Battle Creek.....	90	41	66.6	2.40													
Bay City a.....	89	38	63.6	4.40													
Bay City b.....	91	39	63.9	3.52													
Benton Harbor.....	88	45	65.4	8.10													
Benzonia.....	85	35	61.4	5.27													
Berlin* ¹	92	38	64.5	2.14													
Berrien Springs.....	91	43	65.7	3.85													
Big Rapids.....	86	37	62.8	2.59													
Birmingham.....	92	43	66.8	3.14													
Boon.....	88	33	61.4	3.42													
Bronson.....	94	43	67.6	2.17													
Calumet.....	89	36	53.5	6.35													
Charlevoix.....	90	39	61.4	5.50													
Cheboygan.....	87	28	55.9	6.25													
Clinton.....	91	41	66.0	3.86													
Fitchburg.....	92	40	65.3	2.39													
Flint.....	89	35	64.4	2.93													
Gaylord.....	87	30	58.9	2.89													
Grand Rapids b.....	89	41	65.2	1.90													
Grape.....	87	43	66.2	4.20													
Grayling.....	96	31	62.3	2.15													
Hanover.....	87	41	63.8	3.19													
Harrison.....	89	32	61.6	2.93													
Harrisville.....	92	34	57.0	3.23													
Hart.....	88	35	64.7	3.30													
Hastings.....	86	41	64.8	2.65													
Hayes.....	88	32	61.7	2.14													
Hesperia.....	90	32	63.8	2.31													
Highland Station.....	88	41	64.6	2.88													
Holland* ¹⁰	85	48	63.6	.....												
Howell.....	90	36	64.5	2.98													
Iron River.....	90	37	57.2	2.53													
Ivan.....	88	35	61.8	6.46													
Jeddo.....	87	38	61.9	1.44													
Lansing.....	87	39	64.0	2.67													
Lathrop.....	92	35	56.4	5.14													
Lewiston.....	90	34	61.2	3.78													
Ludington* ¹⁰	85	38	65.6	.....												
Madison.....	95	33	66.7	3.39													
Manistique.....	72	32	51.6	4.88													
Mayville.....	86	39	64.2	2.14													
Middle Island* ¹⁰	85	41	56.4	.....												
Midland s.....	89	39	64.2	8.21													
Mottville.....	92	42	65.8	2.46													
Mount Pleasant.....	88	37	62.8	2.67													
North Manitou Island* ¹⁰	80	40	57.7	.....												
North Marshall.....	85	40	68.6	3.49													
Northport.....	86	35	57.0	3.97													
Old Mission.....	86	35	60.8	4.30													
Olivet.....	87	32	65.9	4.43													
Ovid.....	86	38	64.7	1.71													
Owosso.....	89	38	64.8	3.26													
Parkville.....	.....	.....	2.93	.....												
Plymouth c.....	92	41	65.4	2.31													
Pontiac.....	87	39	62.9	3.36													
Port Austin.....	89	32	60.8	1.75													
Powers.....	91	31	58.8	.....												
Reed City.....	90	33	62.6	2.92													
Rockland.....	94	35	58.2	2.63													
Rogers City.....	89	28	54.0	4.57													
Romeo.....	92	42	64.4	2.16													
Saginaw f.....	90	40	63.2	1.11													
St. Ignace.....	77	20	52.6	6.34													
St. Johns.....	90	38	63.9	1.37													
Sandbeach g.....	90	35	60.2	2.73													
Aberdeen.....	104	52	54	7.00	1.48	.....										
Agricultural College.....	96	63	77.1	4.44	.....											
Austin†.....	92	60	77.8	2.26	.....											
Batesville†.....	92	58	74.6	2.58	.....											
Bay St. Louis†.....	90	65															

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
Missouri—Cont'd.							Nebraska—Cont'd.							Nebraska—Cont'd.						
New Palestine *† ¹	87	54	62.3	In.8.	In.8.		Blair	90	44	63.2	8.32			Stanton * ¹	85	45	63.6	In.8.	In.8.	
Oakfield†	91	49	72.2	9.91			Bluehill *† ¹	90	50	67.3	11.86			State Farm	85	44	63.5	9.76		
Oakmound				4.33			Bratton *† ¹	88	40	67.6	2.73			Strang * ¹	85	50	69.3	7.79		
Oakridge * ⁴	52 ¹	70.0 ¹	7.00				Brokenbow * ¹	95	40	67.6	11.05			Stratton				1.96		
Olden†	89	47	71.0	4.28			Burchard							Stromsburg				7.26		
Oregon a ¹	86	47	68.4	15.02			Burwell * ¹	90	46	68.8	1.71			Superior * ⁵	90	44	67.4	9.09		
Oregon b * ¹	86	43	66.6	14.26			Callaway†	90	33	60.0	1.53			Sutton	85	42	63.2	8.41		
Osceola†				18.23			Central City							Syracuse				8.64		
Oto				7.00 ⁴			Chester * ¹	88	46	64.8	5.78			Tecumseh a† ¹	89	36	66.4	9.73		
Palmyra * ⁶	90	48	75.4	7.60			Columbus†	86	43	66.4	5.50			Tekamah	89	44	66.4	7.68		
Phillipsburg *† ¹	87	45	69.4	12.67			Cook	90	48	68.8	8.81			Theford * ¹	92	30	63.3	1.90		
Pickerling * ³	43	65.0	10.80				Creighton†	95	39	65.0	3.90			Turlington†	90	44	66.8	8.54		
Platte River * ³	90	42	67.6	9.57			Crete	85	42	65.9	7.98			Valentine†	91	42	62.2	0.67		
Poplarbluff	90	46	74.4	4.27			Culbertson							Wakefield				4.65		
Potosi	92	41	69.3	8.15			Curtis a† ¹	90	45	66.4	2.55			Wallace * ¹	92	44	64.6	0.89		
Princeton * ¹	93	46	68.0	10.02			David City *† ¹	86	48	63.9	7.60			Weeping Water * ¹	90	41	64.0	11.45		
Rhinelander	89	46	70.7	8.79			Divide							Whitman				2.80		
Richmond * ¹	89	53	70.2	4.58			Dunning * ¹	92	42	66.0	0.98			Wilber * ¹	86	44	66.3	7.23		
Rolla				10.04			Edgar * ¹	88	48	65.6	6.29			Wilsonville * ¹	96	44	64.8	3.25		
St. Charles	92	50	71.4	9.86			Elba							Winsor				5.44		
St. Joseph†	89	50	70.5	9.12			Ericson *† ¹	95	45	67.6	2.71			Woodlawn				7.59		
Sarcocie * ³	53	69.4	10.14				Ewing†							York * ¹	90	48	67.8	7.19		
Shelbina				10.00			Fairbury†	84	44	66.8	8.75			Nevada.						
Sikeston	94 ¹	53 ¹	73.4 ⁴	8.25			Fairmont * ¹	88	40	65.6	5.80			Battle Mountain * ⁸	84	34	53.1	1.00	1.0	
Steffenville				8.54			Fort Robinson	90	29	59.0	2.05			Beowawe * ⁸	88	21	51.8	2.04	1.2	
Stelladatta†	88	44	69.3	7.76			Franklin†	93	38	66.4	4.38			Carlin * ⁸	73	23	43.5	1.00		
Sublett	88	45	68.2	13.15			Geneva†	88	42	65.9	5.38			Carson City (W. B.)				0.2		
Tindall†				9.91			Genoa†	85	45	63.5	4.09			Elko * ⁸	84	30	47.9	2.71		
Trenton	86	46	68.7	10.34			Gering†	95	28	59.9	2.42			Felonon * ⁸	73	19	44.2	3.70	17.0	
Unionville†	88	46	68.0	12.60			Gibbon	88	40	65.0	7.47			Goleonda * ⁸	84	30	49.7	1.85	5.5	
Versailles				9.42			Gothenburg	96	36	66.0	2.21			Halleck * ⁸	84	32	45.2	2.83	7.0	
Virgil City				12.45			Grand Island b	86	45	64.4	7.60			Hawthorne a * ⁸	85	38	60.1	1.27	1.5	
Warrensburg * ¹	89	59	73.5	6.41			Greeley							Hot Springs * ⁸	90	20	52.6	0.25	T.	
Warrenton	90	49	71.2	8.44			Haigler * ¹	95	30	65.8	3.14			Humboldt * ⁸	90	35	55.7	1.34	2.0	
Wheatland				14.70			Hartington†	86	29	62.8	6.24			Lovelock * ⁸	82	41	58.4	1.14	1.0	
Willow Springs	87	45	68.2	6.15			Harvard * ¹	88	47	64.4	6.55			Mill City * ⁸	88	32	52.0	0.00		
Zeitzona * ¹	91	51	71.0	7.90			Hastings * ¹	86	43	60.8	6.13			Palouse * ⁸	73	31	48.2	1.10	2.0	
Montana.							Hayes Center†							Reno * ⁸	86	33	53.0	1.75	0.5	
Agricultural College	76	22	45.2	2.35			Hay Springs†	91	29	58.4	1.79			Tecoma **	86	33	50.6	1.90		
Bigtimber†	80	31	51.1	3.93	T.		Hebron	87	39	65.4	6.00			Toano *	84	32	49.8	2.05	14.0	
Billings†	90	30	56.4		T.		Hickman * ⁵	94	52	69.4	7.48			Verdi * ⁸	90	29	50.5	2.39	2.0	
Boulder b ¹	80	25	45.6		T.		Holdrege a * ³	84	44	63.2	4.97			Wadsworth * ⁸	86	36	55.0	1.04	4.0	
Bozeman†	80	25	47.6	5.03			Holdrege b * ¹	94	46	67.7	5.45			Wells * ⁸	82	25	45.9	2.25	3.0	
Butte†	78	16	41.8	1.43	4.0		Imperial a† ¹	88	29	63.1	1.34			Winnemucca				8.4		
Chinook†	87	32	53.4	5.17			Imperial b * ¹	94	42	68.0	1.84			New Hampshire.						
Cheoteau†	79 ¹	26 ¹	48.4 ⁴	3.84	2.0		Indianola a ⁵	92 ¹	48 ¹	65.2 ¹	2.44			Alstead * ⁶	86	36	63.2	1.42		
Cokedale d ¹	78	23	45.5	3.57	5.0		Indianola (near) * ¹	90	51	64.5	3.27			Belmont				2.94		
Columbia Falls†	80	26	49.0	2.24	1.0		Kearney * ¹	90	48	68.1	6.90			Berlin	88	26	55.4			
Deerodge†	85	22	48.2	1.62	3.2		Kennedy†	94	26	62.5	1.31			Berlin Mills				1.98		
Dillon†	80	19	44.2	3.05	3.0		Kimball†	88	29	57.9	2.26			Bethlehem	84	32	56.7	2.44		
Fort Custer†	79	29	53.0	3.34			Kirkwood†	91	42	62.0	0.56			Brookline * ¹	90	30	58.5	2.31		
Fort Keogh†	80	30	54.3	2.32	T.		Lexington†	90	33	62.2	3.90			Concord	91	32	59.2	3.34		
Fort Logan†	78	20	44.8	1.48	0.6		Lincoln b	88	44	68.0	9.77			Durham	93	29	57.8	2.23		
Fort Missoula	79	24	45.8	1.73			Lodgepole†	91	32	59.6	2.94			Grafton†	90	28	55.6	1.63		
Glasgow†	79	27	53.8	2.56			Loup*b† ¹	94	40	65.3	3.93			Hanover	89	32	58.7	1.27		
Glendive†	86	35	58.0	7.03			Lynch * ¹	92	45	65.3	1.89			Keene	92	29	57.9	2.05		
Greatfalls†	83	33	49.2	3.29	T.		Lyns*							Lakeport				3.03		
Havre				0.3			McCool * ¹	92	45	69.0	4.01			Lancaster				2.42		
Hogan†	80	24	45.6	2.27	3.2		McCool							Mine Falls				2.15		
Kipp†	78	23	44.6	5.00	20.0		Madison * ¹	86	45	62.4	5.40			Nashua	95	30	59.7	2.02		
Lewistown†	75	25	45.9	2.63	9.0		Madrid *† ⁵	95	36	63.1	1.78			Newton	92	28	57.0	2.27		
Libby†	89	24	50.5	1.48			Marquette							North Conway	93	28	57.3	3.35		
Livingston†	78	23	49.1	2.40	T.		Milford * ¹	95	46	67.7	5.84			Pennichuck Station				2.04		
Manhattan†				0.61			Minden a * ¹	86	45	63.6	6.38			Peterboro	90	34	60.3	2.08		
Martinsdale†	72	25	46.0	4.00	12.0		Minden b† ¹							Plymouth	89	32	55.8	1.69		
Marysville†	74	25	42.9	3.42	14.0		Nemaha * ¹	91	43	68.2	11.01			Sanbornton†	89	33	56.7	2.83		
Miles City				3.5			Neshit†	90	30	59.1	1.53			Stratford	93	29	59.0	2.38		
Musselshell†	87	20	51.4				Norfolk†	84	41	63.7	3.30			Warner				2.34		
Poplart	78	30	53.8	3.7																

TABLE II.—*Meteorological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
New Jersey—Cont'd.	○	○	○	Ins.	Ins.	New York—Cont'd.	○	○	○	Ins.	Ins.	North Carolina—Cont'd.	○	○	○	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.
Friesburg	○	○	○	1.62		Elmira †	○	○	○	1.14		Mount Pleasant	○	○	○	Ins.	Ins.	74.2	2.48		
Gillette	98	33	62.5	2.87		Fleming	○	○	○	2.42		Murphy †	○	○	○	3.15					
Hammonton				4.15		Fort Niagara †	○	○	○	2.36		Newbern †	○	○	○	1.99					
Hanover	91	34	63.6	2.69		Friendship	○	○	○	3.09		Oakridge †	○	○	○	3.63					
Hightstown	95	39	68.2	4.07		Fulton	○	○	○	2.94		Pantego	○	○	○	3.55					
Imlaystown	93	40	67.0	3.51		Glens Falls	○	○	○	1.53		Pittsboro	○	○	○	5.50					
Junction				3.40		Gloversville	○	○	○	3.19		Rockingham †	○	○	○	7.19					
Lambertville	95	45	66.4	2.41		Hamilton	○	○	○	2.72		Roxborot †	○	○	○	4.30					
Linwood *	94	45	63.8	2.37		Haskinville	○	○	○	1.72		Salem †	○	○	○	7.36					
Millville	97	33	67.8	3.24		Honeymead Brook	○	○	○	3.17		Salisbury †	○	○	○	1.34					
Moorestown	93	39	67.4	2.77		Humphrey †	○	○	○	3.35		Saxon †	○	○	○	0.98					
Newark a	94	42	66.5	3.29		Ithaca	○	○	○	2.64		Selma	○	○	○	4.26					
Newark b †	94	40	65.8	3.57		Jamestown	○	○	○	3.77		Settle	○	○	○	3.90					
New Brunswick a	96	39	67.2	3.96		Kings Station	○	○	○	3.47		Skyuka	○	○	○	1.42					
New Brunswick b	91	37	63.6	4.02		Lebanon Springs	○	○	○	1.50		Sloan †	○	○	○	6.58					
Newton	92	40	63.8	2.81		Lockport	○	○	○	1.15		Soapstone Mount †	○	○	○	5.10					
Ocean City	92	45	63.6	3.99		Lowville	○	○	○	2.03		Southern Pines †	○	○	○	3.40					
Oceanic	91	41	67.1	2.48		Lyons	○	○	○	2.27		Southport †	○	○	○	0.52					
Paterson	98	37	66.9	3.75		Madison Barracks †	○	○	○	2.41		Springhope *	○	○	○	4.65					
Plainfield	95	35	65.2	3.18		Malone	○	○	○	1.26		Tarboro	○	○	○	6.56					
Rancocas				2.57		Manhattan Beach †	○	○	○	1.94		Waynesville	○	○	○	6.11					
Readington * & c	96	52	69.4			Middletown	○	○	○	2.96		Weldon †	○	○	○	7.23					
Rivervale	94	29	63.6	4.03		Mount Morris	○	○	○	1.66		Wilkesboro †	○	○	○	7.28					
Somerville	96	35	65.5	3.83		Newark Valley	○	○	○	2.95		Wileyton	○	○	○	10.61					
South Orange	92	37	64.6	2.21		New Lisbon	○	○	○	2.42		North Dakota									
Staffordville				2.88		North Hammond †	○	○	○	2.78		Amenia	○	○	○	3.56					
Toms River	95	32	65.8	3.87		Number Four †	○	○	○	2.16		Ashley †	○	○	○	3.34					
Trenton	91	44	68.0	4.13		Ogdensburg	○	○	○	2.10		Batteau †	○	○	○	4.05					
Vineland	97	34	67.4	2.75		Oneonta	○	○	○	2.35		Buxton	○	○	○	6.68					
Woodbine	94	38	66.1	3.26		Oxford	○	○	○	3.53		Churchs Ferry	○	○	○	4.06					
New Mexico.						Palermo †	○	○	○	2.36		Coalharbor †	○	○	○	3.67					
Albertville	104	37	69.9	0.23		Perry City	○	○	○	3.81		Dickinson †	○	○	○	5.16					
Albuquerque	95	36	67.2	0.07		Phoenix	○	○	○	2.59		Falconer	○	○	○	5.16					
Alma †	100	26	62.6	T.		Pittsford	○	○	○	2.05		Fargo † * e	○	○	○	4.70					
Aztec †	95	26	58.7	T.		Plattsburg Barracks †	○	○	○	1.85		Forman †	○	○	○	2.72					
Bernalillo †	98	23	61.4	T.		Port Jervis	○	○	○	2.88		Fort Berthold †	○	○	○	6.00					
Chama †	89	13	50.7	0.05		Potsdam	○	○	○	1.46		Fort Yates †	○	○	○	1.98					
Clayton †	99	37	66.0	0.12		Poughkeepsie	○	○	○	2.50		Gallatin †	○	○	○	5.43					
Deming * e	103	55	75.7	0.00		Ridgeway	○	○	○	2.51		Glenullin †	○	○	○	3.13					
East Las Vegas †	90	30	59.6	0.11		Rome	○	○	○	2.85		Grafton †	○	○	○	6.72					
Eddy †	105	43	74.1	0.00		Romulus	○	○	○	4.50		Grand Rapids	○	○	○	4.01					
Engle †	101	34	68.8	0.02		Rose †	○	○	○	3.04		Jamestown †	○	○	○	5.58					
Espanola †	95	26	60.2	0.04		Saranac Lake	○	○	○	1.98		Kelso †	○	○	○	6.35					
Fort Bayard	95	34	63.2	0.10		Scottsville	○	○	○	1.44		Lakota †	○	○	○	4.90					
Fort Wingate	94	28	58.4	T.		Setauket †	○	○	○	3.10		Laramore †	○	○	○	4.95					
Galisteo †	93	32	63.2	T.		Sherwood	○	○	○	3.03		McKinney †	○	○	○	4.45					
Gallinas Spring †	100	33	70.4	0.02		Skaneateles	○	○	○	2.15		Mayville	○	○	○	6.61					
Gila	104	34	67.2	0.17		South Canisteo	○	○	○	4.03		Medora †	○	○	○	5.17					
Hillsboro †	104	34	69.2	T.		Southeast Reservoir	○	○	○	2.93		Milton †	○	○	○	8.55					
Labelle †	82	17	47.5	0.60		South Kortright †	○	○	○	2.94		Minto †	○	○	○	6.20					
Las Cruces †	101	31	67.1	0.10		Turin	○	○	○	2.96		Napoleon †	○	○	○	2.63					
Lordsburg * e	98	39	71.5	0.20		Tyrone	○	○	○	1.90		New England City †	○	○	○	6.00					
Los Lunast	98	29	62.9	0.00		Varysburg	○	○	○	3.27		Oakdale †	○	○	○	6.70					
Lower Penasco †	99	32	67.3	T.		Victor	○	○	○	2.33		Portal †	○	○	○	4.16					
Monerot †	92	15	53.2	0.05		Wappingers Falls	○	○	○	3.58		Powder	○	○	○	3.23					
Ocate †	90	23	57.5	0.01		Warwick	○	○	○	2.83		Power	○	○	○	3.23					
Puerto de Lunat	102	43	74.2	T.		Watertown	○	○	○	2.36		St. John †	○	○	○	5.28					
Raton †	98	30	57.8	0.00		Waverly †	○	○	○	2.41		Sheyenne	○	○	○	6.28					
Rincon †	110	34	71.9	0.04		Wedgewood	○	○	○	2.98		Steele †	○	○	○	2.81					
Roswell †	107	39	74.3	0.12		Westfield	○	○	○	1.94		Towner †	○	○	○	5.50					
San Marcial †	100	34	67.9	T.		Westpoint †	○	○	○	2.89		University †	○	○	○	7.96					
Santa Fe						Willets Point	○	○	○	2.66		Wahpeton †	○	○	○	7.43					
Shattucks Ranch	98	30	64.8	T.		Wildrice †	○	○	○	2.66		Wildrice †	○	○	○	5.91					
Springer †	99	23	60.1	0.14		Woodbridge †	○	○	○	4.88		Woodbridge †	○	○	○	4.88					
Sulphur Hot Springs	85	17	48.1	0.10		Akron	○	○	○	4.11		Akron	○	○	○	2.52					
Valley Ranch	90	24	56.5	0.12		Annapolis	○	○	○	0.87		Annapolis	○	○	○	3.10					
White Oaks	93	30	63.2	T.		Ashland	○	○	○	2.77		Ashland	○	○	○	3.09					
Winsors Ranch						Ashtabula	○	○	○	1.45		Ashtabula	○	○	○	2.03					
New York.						Bethany	○	○	○	5.64		Bethany	○	○	○	1.99					
Adams						Atwater	○	○	○	5.26		Atwater	○	○	○	2.09					
Addison						Auburn	○	○	○	2.95		Auburn	○	○	○	2.09					
Akron						Bangorville	○	○	○	2.98		Bangorville	○	○	○	3.19					
Alfred						Basil	○	○	○	2.98		Basil	○	○	○	2.20					
Appleton						Bellefontaine	○	○	○	3.08		Bellefontaine	○	○	○	2.87					
Arcade						Benton	○	○	○	4.28		Benton	○	○	○	1.54					
Avon						Benton Ridge	○	○	○	4.89		Benton Ridge	○	○	○	1.79					
Baldwinsville						Berlin Heights	○	○	○	2.85		Berlin Heights	○	○	○	1.86					
Bedford						Bethany	○	○	○	8.42		Bethany	○	○	○	2.18					
Big Sandy * †						Biprairie	○	○	○	5.66		Biprairie	○	○	○	2.88					
Binghamton †						Binolis	○	○	○	4.66		Binolis	○	○	○	2.05					
Bloomville						Bladensburg	○	○	○	4.66		Bladensburg	○	○	○	2.85					
Boylar						Bloomingburg	○	○	○	3.67		Bloomingburg	○	○	○	3.37					
Boys Corners																					

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Ohio—Cont'd.</i>						<i>Ohio—Cont'd.</i>						<i>Pennsylvania.</i>					
Circleville ^b	93	48	69.6	2.96	In.	Walnut	94	49	71.2	2.22	In.	Altoona	96	47	68.6	2.70	In.
Clarksville	90	50	69.2	2.30		Warren	89	43	65.6	1.73		Aqueduct	98	47	68.0	2.65	
Cleveland (V. O.)	94	45	65.8	1.91		Warsaw	95	41	66.5	1.88		Beaver Dam ^t					2.39
Clifton	95	46	68.7	3.77		Wauseon	92	43	66.4	3.44		Bethlehem					6.30
Coatlon	94	40	67.4	3.72		Waverly	98	45	71.0	2.66		Blooming Grove	89	31	61.2	2.98	
Colebrook	95	45	68.0	2.44		Waynesville	96	50	71.5	2.64		Brookville ^t					1.51
Dayton ^a	94	50	71.2	3.34		Westerville	89	46	67.4	3.12		Browers Lock					3.37
Dayton ^{b†}				3.36		Wooster ^a	86	44	64.5	3.41		Cameron					3.56
Defiance	94	43	69.0	2.11		Youngstown	86	45	67.4	1.88		Canonsburg	88	52	70.0	1.19	
Demos	85	51	68.0	2.12								Carlisle	96	42	66.4	2.92	
Dupont	89	46	66.8	3.59								Cassandra	90	45	67.3	2.33	
Elyria	91	42	65.9	1.21								Cedarrun					1.90
Fairport Harbor ^{*10}	83	52	64.6									Centerhall ^t	93	44	66.0	2.00	
Fayetteville	92	50	69.6	2.82								Chambersburg ^t	93	40	65.4	3.05	
Findlay	95	46	69.4	1.65								Coatesville	94	38	66.2	2.62	
Frankfort	90	44	68.4	3.36								Confluence ^t					4.03
Garretttsville ^t	88	41	63.9	1.94								Coopersburg	90	45	65.5	4.15	
Granville	91	45	67.6	2.73								Davis Island Dam ^t					2.75
Gratiot	90	46	67.9	2.01								DoylesTown					2.67
Greenfield ^a	91	51	70.2	2.85								Driftwood					2.96
Greenhill	91	39	65.4	2.39								Dubois ^t					1.86
Greenville	86	48	67.2	3.61								Duncannon					3.95
Hackney	89	46	66.2	3.14								Dyberry ^t	90	35	59.8	3.58	
Hanging Rock	96	45	69.2	2.51								East Bloomsburg					3.43
Hedges	91	42	66.4	1.24								East Mauch Chunk	94	35	64.0	3.24	
Hillhouse	96	38	64.0	2.26								Easton	90	44	66.0	4.41	
Hillsboro ^t	97	43	68.6	2.23								Edinboro ^t	82	42	62.3		
Hiram	86	44	65.5	2.18								Ellwood Junction ^t					2.36
Hudson	89	44	68.6	1.49								Emporium	89	39	63.8	3.36	
Jacksonboro	97	50	70.8	2.95								Farrandsville					1.64
Kenton ^t	91	46	68.2	2.59								Forks of Neshaminy ^{*11}	84 ^a	50 ^a	65.5 ^a	3.16	
Killbuck	87	46	67.2	3.50								Frederick					2.72
Lancaster	90	46	68.3	2.88								Freeport ^t					4.43
Leipsic	91	36	66.4	2.02								Girardville					2.23
Levering	91	38	64.4	3.89								Grampian	88	46	65.8	2.20	
Logan	95	44	70.0	2.10								Greensboro ^t					3.36
Lordstown	87	45	65.4	1.70								Hamburg	94	46	66.7	4.96	
Lowell	96	41	69.2	2.40								Hollidaysburg	94	40	66.0	2.64	
McArthur	93	44	68.0	2.67								Huntingdon ^t	94	40	66.2	2.57	
McConnelsville ^t	93	47	68.8	1.95								Huntingdon ^b					2.56
Mansfield ^t				2.47								Johnstown ^t	90	42	67.8	1.80	
Marietta ^a				3.01								Karthaus					1.50
Marietta ^b	92	49	70.2	2.74								Keating					2.82
Marion	92	44	68.3	1.55								Kennett Square	93	37	66.2	2.03	
Medina	92	44	66.4	1.71								Lansdale	93	42	67.4	2.26	
Milfordton	90	44	66.6	2.31								Lebanon	95	42	65.0	4.54	
Milligan	96	44	68.2	2.92								Leroy ^t	87	40	62.9	2.46	
Millport	89	53	70.9	1.71								Lewisburg	93	45	65.5	2.16	
Montpelier	89	45	65.6	3.20								Lock Haven ^t	96	43	67.6	1.70	
Napoleon	91	44	67.0	2.35								Lock Haven ^b					1.49
Neapolis				3.30								Lock No. 4 ^t					3.30
New Alexandria	88	49	67.8	3.15								Lycippus	88				2.06
New Berlin	90	46	66.2	1.97								Mifflin					3.61
New Bremen	92	41	68.4	2.47								Oil City ^t					2.73
New Comerstown	91	45	67.8	2.40								Ottsville					3.85
New Holland	96	46	69.5	2.03								Parker ^t					3.10
New Moscow				1.30								Philadelphia ^b	94	45	67.6	1.72	
New Paris	92	45	69.0	2.72								Point Pleasant					2.81
New Waterford				1.98								Pottstown	94	45	67.1	3.07	
North Lewisburg	97	44	69.6	3.40								Quakertown	92	37	64.0	2.91	
North Royalton	87	43	66.4	1.52								Reading ^t					6.00
Norwalt	93	39	66.8	1.35								Renovo					2.31
Oberlin	91 ^a	41 ^a	67.3 ^a	1.70								Ridgway ^t					2.66
Ohio State University	91	45	67.8	2.97								Saegeertown	89	35	64.1	1.66	
Orangeville	88	41	64.9	2.10								Salem Corners	87	43	63.2	2.89	
Ottawa	91	45	67.5	1.88								Scranton	90	37	63.8	3.52	
Patakska ^t	93	46	68.6	2.71								Seisholtzville					4.69
Peoli	93	45	70.4	3.63								Selinsgrove	94	43	68.0	2.40	
Perry				1.91								Shawmont					2.09
Philo	91	49	69.6	2.09								Shinglehouse	87	34	61.6	5.22	
Plattsburg	90	46	68.2	3.35								Sinnamahoning					1.45
Pomeroy	94	43	70.4	3.08								Smethport	87	36	61.9	3.34	
Portsmouth ^t				2.92								Smiths Corners					3.14
Portsmouth ^b	98	50	73.6	3.01								Somerset	87	35	62.3	3.01	
Richwood				2.57								South Eaton	89	40	62.7	2.86	
Ridgeville Corners	88	43	66.6	3.33								Spruce Creek					1.80
Riley	92	51	70.1	3.52								State College	90	47	64.6	1.37	
Rittman	87	43	64.3	2.92								Sunbury					1.30
Rockyridge	95	41	68.2	1.82								Swarthmore	93	40	67.3	1.59	
Rosewood	88	45	67.1	3.49								Towanda	90	40	65.5	2.38	
Sheridan Center	89	45	65.9	3.58								Uniontown	89	42	62.9	3.16	
Sidney ^b				3.64								Warren ^t					3.23
Sinking Spring ^t	92	42	68.8	2.98								Waterville					1.35
Springboro				2.85								Wellsboro ^{*†}	84	36	58.1	1.87	
Spring Valley	94	47	68.6	3.35								West Chester	92	42	65.4	1.58	
Strongsville				1.28								West Newton ^t					2.67
Sylvania	92	42	65.0	4.97								Westtown	92	38	65.6	1.51	
Thurman	99	48	71.4	2.11								White Haven ^{*†}	90	46	65.2	2.78	
Tiffin ^t	89	47	68.2	2.76								Wilkesbarre ^t	94	43	65.6	3.17	
Upper Sandusky	88	46	67.6	1.88								Williamsport	90	45	64.4	1.77	
Urbana	89	46	67.6	3.57													

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
<i>Rhode Island</i> —Cont'd.							<i>Tennessee</i> —Cont'd.							<i>Texas</i> —Cont'd.						
Pawtucket	89	39	61.7	2.53	Ins.	Ins.	Bristol†	89	45	70.0	3.00	Ins.	Ins.	Hewitt	○	○	○	Ins.	1.70	
Providence <i>a</i>	94	39	63.0	3.13			Brownsville†	96	53	76.4	0.80			Houston†	94	63	78.6	1.87		
Providence <i>c</i>	92	36	60.4	3.50			Byrdstown	91	51	71.8	0.95			Huntsville†	94	62	78.4	2.35		
<i>South Carolina</i> .							Carthage†							Kent					0.00	
Allendale†	98	42	77.2	1.50			Charlotte†							Kerrville†	97	47	74.4	0.89		
Anderson†			1.67				Clarksville†	88	52	71.6	4.41			Lampasas†	100	51	77.1	0.60		
Batesburg†	98	51	75.6	2.98			Clinton†							Leakey†	98	53	77.4	0.61		
Blackville†	100	52	75.4	1.51			Covington	94	55	75.2	3.86			Llano*†	105	60	82.2	0.50		
Canden†			3.06				Decatur†	93	50	72.8	3.93			Longview†	100	52	79.2	2.42		
Central†	95	52	75.8	3.12			Dyersburg†	93	57	75.4	4.92			Lufkin†	99	62	80.2	T.		
Cheraw <i>a</i> †	100	48	77.2	4.29			Elizabethton†	94	48	72.3	3.34			Luling†	98	62	80.4	0.60		
Cheraw <i>b</i> †			4.90				Elk Valley*†	87	51	69.4	4.26			Menardville*†	104	60	77.8	0.86		
Clemson College	98	54	76.4	4.67			Fairmount†	83	58	69.5	3.92			Midland†	110	51	78.4	1.04		
Conway†			3.34				Florence†	86	54	72.3	3.75			Mount Blanco*†	103	40	75.6	0.94		
Darlington*†	97	54	79.0				Franklin†	91	48	71.4	3.73			New Braunfels†	96	62	78.6	0.64		
Darlington (near)			2.64				Greeneville†	91	48	70.6	3.80			Orange†	94	62	77.6	0.02		
Edito†			1.04				Harriman†	93	48	72.4	2.91			Paner†					1.24	
Edtingham†			3.85				Hohenwald*†	90	58	69.1	4.78			Paris†	96	52	75.8	1.46		
Florence†	96	50	77.4	4.31			Jackson†	91	56	74.4	4.36			Point Isabel*†	88	74	82.8	T.		
Georgetown†	95	42	77.3	1.62			Johnsville†	93	49	73.5	4.66			Rheinland†	110	46	80.2	0.29		
Gillisonville†	104	47	78.3	1.73			Jonesboro*†	90	49	72.8	3.07			Roby†	109	51	76.5	0.48		
Greenville†	90	53	71.9	5.07			Liberty†	90	52	72.6	2.66			Rockport*†	90	68	79.8			
Greenwood†	100	50	76.2	1.94			Loudon†							Rocksprings†	102			T.		
Holland†	96	54	75.6	2.70			Lynville*†	93	54	72.4	2.46			Round Rock				1.25		
Kingtree <i>a</i> †	100	50	77.7	2.40			McKenzie*†	99	58	74.4	5.89			Runge†	98	63	80.2	1.07		
Kingtree <i>b</i> †			2.19				McMinnville†	90	51	73.0	5.24			San Antonio	97	62	79.6	3.33		
Little Mountain	99	52	77.8	1.60			Milan†	93	52	75.5	5.60			San Marcos <i>a</i>				0.51		
Longshore†	94	52	75.6	3.43			Molino†	91	55	73.4	3.94			San Marcos <i>b</i>	97	60	79.8	0.31		
Mount Carmel†			2.55				Newport*†	93	58	71.1	3.50			Sierra Blanca†	102	55	76.8	0.10		
Pinopolis*†	93	52	74.0	6.07			Nunnally*†	90	56	73.5	3.77			Stafford†	100	62	79.6	0.97		
Port Royal†	97	54	78.5	2.61			Palmetto†	90	54	73.7	1.57			Temble <i>a</i> †	99	61	79.0	1.10		
St. George†	96	50	76.6	2.19			Pope*†	90	59	74.5	3.70			Temple <i>b</i> †	96	59	77.4	1.31		
St. Matthews†	98	52	77.4	2.30			Ridgleton†	90	50	72.6	6.44			Twohig	105	61	82.8	1.62		
St. Stephens†			3.22				Rockwood†							Tyler†	100	53	78.2	2.62		
Santuck†	95	50	75.5	2.31			Rogersville†	89	49	70.0	3.41			Victoria				2.37		
Shaws Fork*†	102	59	78.4	1.58			Rugby*†	87	53	69.6	3.22			Waco†	98	52	79.7	2.55		
Smiths Mills†			2.66				St. Joseph†	94	49	73.0	1.37			Waxahachie				3.50		
Society Hill†	98	49	75.8	3.88			Savannah†	92	60	77.1	3.07			Weatherford†	99	54	77.4	0.60		
Spartanburg†	99	52	77.4	1.94			Sewanee†	83	53	69.2	3.50			<i>Utah</i> .						
Statesburg†	95	51	76.7	2.64			Springdale*†	95	50	71.3	4.19			Alpine City†				3.04		
Trenton†	94	56	77.8	1.82			Tellico Plains†							Blue Creek*†	75	30	50.3	0.40	4.0	
Trial†	96	50	75.6	2.74			Trenton†	90	51	73.2	5.95			Brigham City†				3.60		
Wimberley	97	51	77.0	1.77			Tullahoma†	88	47	70.4	2.45			Cisco†	100	28	62.7	T.		
Yemassee†	99	50	77.8	2.37			Union City†	92	51	73.6	6.85			Corinne*†	87	38	60.9	1.81		
Yorkville	96	52	76.6	1.82			Waynesboro*†	95	52	70.2	2.70			Fillmore†	94	25	54.8	1.06		
<i>South Dakota</i> .							<i>Texas</i> .							Fort Duchesne†	88	33	53.4	1.40		
Aberdeen†	90	34	56.6	3.76			Aurora†	102	59	78.0	3.05			Giles†	100	26	62.4	0.30	5.5	
Alexandria†	89	36	61.2	2.06			Ballinger†	105	51	77.0	0.11			Heber†	91	20	50.5	0.72		
Armour†	89	37	63.2	1.17			Beeville†	101	65	81.5	2.30			Huntsville†				2.86		
Ashcroft†	92	25	55.3	1.91			Blanco†	97						Keeton*†	90	36	61.3	0.99		
Brookings†	84	36	60.0	3.45			Boerne*†	96	62	77.1	0.98			Koosbaren†	85	17	48.1	0.39	1.0	
Canton*†	89	37	59.8	3.18			Brady†	103	49	77.8	0.36			Levan†	90	33	51.8	1.58		
Castlewood†			4.89				Brazoria†	93	65	78.1	1.44			Loa†	92	14	48.4	0.10	T.	
Clark†	86	38	59.4	5.11			Brenham†	97	62	79.4	0.96			Logan†	80	24	47.9	3.17		
Cross†	84	22	52.9	1.16			Brighton†	87	68	79.2	2.00			Mammoth	86	24	49.3	1.84	13.5	
Edgemont			0.08				Brownwood*†	105	58	77.9	1.05			Manti†	98	20	55.7	0.16		
Faulkton†	90	35	60.7	2.26			Burnet†	98	64	78.2	1.29			Millville†				3.02		
Flandreau†	94	36	61.8	2.66			Camp Eagle Pass†	108	58	82.8	2.01			Moab†	96	33	64.8	0.17		
Forestburg†	91	37	63.2	1.40			Chillicothe†	103	40	75.2	1.75			Mount Pleasant*†	87	33	51.8	1.09		
Forest City†	90	40	63.4	2.06			Coleman*†	98	66	75.6	0.50			Ogden <i>a</i> *†	80	37	54.6	3.57		
Fort Meade†	91	36	58.8	2.69			Dallas†	98	54	77.0	2.93			Pahreah†	95	28	59.0	0.20	T.	
Gary†	89	38	60.8	5.80			Danevang†	98	61	78.8	1.23			Park City†	76	14	38.3	4.22	29.0	
Goudyville*†	90	40	59.5	1.36			Dean†	104	60	75.2	2.10			Parowan†	90	25	53.3	0.93	0.4	
Greenwood†	90	42	62.4	2.65			Dublin†	102	54	77.0	2.57			Promontory*†	85	32	57.8	3.3	v	
Highmore†	89	38	61.8	0.95			Durham†							St. George†	104	32	62.8	0.71	T.	
Hitchcock			0.99				Duval†	98	66	81.8	1.31			Salt Lake City						
Hotch City†	89	32	62.4	0.57			Estelle†	98	54	77.5	3.07			Scipio†	93	18	47.4	1.36		
Howard			2.46				Forestburg†	98	50	76.1	0.76			Snowville†	84	23	46.3	2.35		
Kimball†	92	38	62.4	1.23			Fort Brown†	97	67	81.8	0.04			Soldier Summit†	82	12	43.8	0.38		
Leslie†	97	31	63.4	0.06			Fort Clark	102	60	83.0	1.11			Terrace*†	89	29	53.7	2.26		
Mellette	93	34	59.8	2.19			Fort Ringgold†	104	67	84.2	0.53			Thistle†	85	33	53.2	1.80	3.0	
Mennio*†																				

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

TABLE III.—Data from Canadian stations for the month of May, 1896.

Stations.	Pressure.			Temperature.		Precipitation.		Prevailing direction of wind.	Total depth of snow.
	Mean not reduced.	Inches.	Mean reduced.	°	Inches.	°	Departure from normal.	Mean.	Departure from normal.
St. Johns, N. F.	29.88	30.03	+ .08	39.8	- 4.6	3.69	.....	ne.	3.5
Sydney, C. B. I.	29.96	30.02	+ .05	43.6	- 0.9	3.06	- 1.27	sw.	0.0
Grindstone, G. St. L.	29.91	29.94	.....	41.0	.....	0.86	.....	sw.	0.0
Sandy Point	29.92	30.05	+ .08	47.8	+ 0.8	2.53	- 2.19	s.	.....
Halifax, N. S.	29.96	30.01	.....	48.2	.....	1.54	- 1.99	T.	0.0
Grand Manan, N. B.	29.96	30.02	+ .04	47.6	+ 0.6	3.72	- 0.31	se.	0.0
Yarmouth, N. S.	29.94	30.02	+ .04	48.9	.....	1.12	- 1.19	se.	0.0
St. Andrews, N. B.	29.92	30.00	.....	46.4	.....	1.25	- 1.90	s.	0.0
Charlottetown, P. E. I.	29.96	30.00	.....	49.0	+ 0.5	3.0	- 1.17	sw.	0.0
Chatham, N. B.	29.96	30.00	+ .05	45.7	+ 2.2	3.37	+ 0.94	e.	0.0
Father Point, Que.	29.92	29.95	+ .01	52.9	+ 3.4	2.15	- 0.97	ne.	0.0
Quebec, Que.	29.63	29.96	+ .01	57.4	+ 3.4	2.74	- 0.34	sw.	0.0
Montreal, Que.	29.75	29.95	+ .02	55.3	+ 5.7	2.11	- 0.49	nw.	0.0
Rockcliffe, Ont.	29.42	29.93	- .02	56.3	+ 3.2	2.49	- 0.26	sw.	0.0
Kingston, Ont.	29.64	29.95	- .01	52.9	+ 5.6	2.44	- 0.21	w.	0.0
Toronto, Ont.	29.59	29.97	- .01	53.4	+ 9.8	3.40	+ 1.89	w.	1.9
White River, Ont.	28.54	29.87	.....	59.1	.....	4.30	+ 1.46	e.	0.0
Port Stanley, Ont.	29.35	29.98	.00	.....	.....	.....	.....	.....	.....

TABLE III.—Data from Canadian stations—Continued.

Stations.	Pressure.			Temperature.		Prevailing direction of wind.	Total depth of snow.
	Inches.	Inches.	Inches.	°	Inches.	Mean.	Departure from normal.
Saugeen, Ont.	29.24	29.94	- .02	56.2	+ 6.2	1.46	- 1.11
Parry Sound, Ont.	29.24	29.92	- .04	55.2	+ 4.7	1.88	- 1.44
Port Arthur, Ont.	29.16	29.86	- .06	50.2	+ 3.7	4.10	+ 1.92
Winnipeg, Man.	28.98	29.80	- .13	54.8	+ 4.8	5.32	+ 2.50
Minnedosa, Man.	28.02	29.80	- .09	52.4	+ 3.4	3.07	+ 1.43
Qu'Appelle, Assin.	27.56	29.80	- .08	50.2	+ 0.2	4.73	+ 3.21
Medicine Hat, Assin.	27.26	29.83	- .06	48.8	- 2.2	2.90	+ 1.41
Swift Current, Assin.	26.29	29.84	- .04	44.6	- 6.4	1.94	+ 0.45
Calgary, Alberta.	28.28	29.78	.....	49.7	.....	2.40	.....
Prince Albert, Sask.	27.50	29.83	- .09	47.8	- 1.8	1.94	+ 0.34
Edmonton, Alberta.	28.06	29.78	.....	50.0	.....	3.69	.....
Battleford, Sask.	29.06	29.88	.....	55.1	.....	0.26	.....
Spences Bridge, B. C.	29.96	30.12	+ .06	68.6	.....	2.84	.....
Hamilton, Bermuda.	29.96	29.99	.....	41.5	.....	1.04	.....
Banff, Alberta.	29.96	29.99	.....	48.3	.....	1.62	.....
Esquimalt, B. C.	29.62	29.97	.....	57.8	.....	2.26	.....
Ottawa, Ont.	29.62	29.97	.....	.....	.....	.....	.....
Sable Island.	29.62	29.97	.....	.....	.....	.....	.....

TABLE IV.—Meteorological observations at Honolulu, Republic of Hawaii, by Curtis J. Lyons, Meteorologist to the Government Survey.

Pressure is corrected for temperature and reduced to sea level, but the gravity correction, -0.06, is still to be applied.

The absolute humidity is expressed in grains of water, per cubic foot, and is the average of four observations daily.

The average direction and force of the wind and the average cloudiness for the whole day are given unless they have varied more than usual, in which case the extremes are given. The scale of wind force is 0 to 10. Two directions of wind, connected by a dash, indicate change from one to the other; also same for force.

The rainfall for twenty-four hours is given as measured at 6 a. m. on the respective dates.

April, 1896.	Pressure at sea level.			Temperature.		Humidity.	Wind.	Rain measured at 6 a. m.
	9 a. m.	3 p. m.	9 p. m.	6 a. m.	9 a. m.	9 p. m.	Force.	Cloudiness.
1.	Ins.	Ins.	Ins.	o	72	71	o	.....
2.	30.12	30.06	30.15	72	71	72	o	.....
3.	30.16	30.08	30.15	71	71	77	6.3	.....
4.	30.17	30.08	30.11	72	72	76	6.1	.....
5.	30.14	30.07	30.16	70	75	72	5.7	.....
6.	30.14	30.06	30.14	71	74	73	6.7	.....
7.	30.15	30.08	30.16	71	71	78	6.8	.....
8.	30.13	30.05	30.13	70	78	71	6.7	.....
9.	30.13	30.04	30.13	65	77	81	6.8	.....
10.	30.12	30.03	30.12	68	76	74	6.8	.....
11.	30.08	30.00	30.08	71	78	73	6.9	.....
12.	30.08	30.01	30.09	71	79	70	6.8	.....
13.	30.11	30.02	30.09	68	73	80	6.6	.....
14.	30.10	30.00	30.08	69	79	71	6.2	.....
15.	30.08	29.95	30.01	69	79	81	6.7	.....
16.	30.05	29.99	30.06	71	78	73	6.1	.....
17.	30.09	29.99	30.05	70	77	81	6.1	.....
18.	30.03	29.96	30.03	66	80	72	6.5	.....
19.	30.03	29.95	30.02	67	80	73	6.8	.....
20.	30.04	29.98	30.05	70	76	79	6.9	.....
21.	30.10	30.05	30.14	68	79	78	7.2	.....
22.	30.16	30.06	30.12	70	78	80	6.7	.....
23.	30.12	30.02	30.10	71	79	79	6.1	.....
24.	30.10	30.04	30.12	72	78	80	6.3	.....
25.	30.15	30.06	30.16	72	73	79	6.1	.....
26.	30.14	30.06	30.14	71	79	80	5.4	.....
27.	30.13	30.08	30.17	71	76	79	6.1	.....
28.	30.19	30.15	30.19	70	70	73	6.7	.....
29.	30.20	30.16	30.21	72	72	76	6.0	.....
30.	30.14	30.06	30.15	72	73	79	6.1	.....
31.	30.18	30.12	30.18	72	77	74	6.4	.....

Mean temperature: $6+2+9+3$ is 72.6; the normal is 73.0; extreme temperatures, 88° and 65°.

Mean temperature: $6+2+9+3$ is 72.6; the normal is 73.0; extreme temperatures, 82° and 64°.

May, 1896.	Pressure at sea level.			Temperature.		Humidity.	Wind.	Rain measured at 6 a. m.			
	9 a. m.	3 p. m.	9 p. m.	6 a. m.	9 p. m.	Relative.	Absolute.		Direction.	Force.	Cloudiness.
1.	Ins.	Ins.	Ins.	o	70	71	72	o	.....	4	3
2.	30.16	30.10	30.14	72	72	76	6.4	.....	6	5	3
3.	30.16	30.07	30.16	73	73	73	6.9	.....	6	5	23
4.	30.14	30.05	30.10	73	73	73	6.8	.....	6	5	20
5.	30.09	30.01	30.09	71	71	71	7.0	.....	6	5	5
6.	30.06	30.03	30.12	73	73	73	7.0	.....	6	5	0.05
7.	30.15	30.09	30.16	73	73	74	7.0	.....	6	5	0.03
8.	30.16	30.06	30.15	73	73	74	7.0	.....	6	5	0.00
9.	30.15	30.08	30.14	72	72	75	6.9	.....	6	5	0.00
10.	30.12	30.06	30.15	72	72	75	6.9	.....	6	5	0.03
11.	30.07	29.97	30.05	70	70	70	6.5	.....	6	5	0.07
12.	30.02	29.96	30.01	70	70	77	6.6	.....	6	5	0.23
13.	30.04	29.99	30.09	72	72	80	6.7	.....	6	5	0.00
14.	30.09	30.02	30.11	71	71	83	6.5	.....	6	5	0.01
15.	30.08	30.03	30.18	73	73	86	6.7	.....	6	5	0.01
16.	30.07	30.04	30.20	73	73	86	6.7	.....	6	5	0.01
17.	30.02	30.12	30.17	73	73	87	6.7	.....	6	5	0.00
18.	30.19	30.13	30.20	73	73	87	6.7	.....	6	5	0.00
19.	30.19	30.19	30.19	73	73	87	6.7	.....	6	5	0.00
20.	30.18	30.17	30.19	73	73	87	6.7	.....	6	5	0.00
21.	30.19	30.17	30.19	73	73	87	6.7	.....	6	5	0.00
22.	30.16	30.12	30.16	73	73	87	6.7	.....	6	5	0.00
23.	30.12	30.10	30.17	73	73	87	6.7	.....	6	5	0.00
24.	30.10	30.04	30.12	72	72	88	6.3	.....	6	5	0.00
25.	30.15	30.06	30.16	72	72	88	6.3	.....	6	5	0.00
26.	30.14	30.06	30.14	71	71	89	6.4	.....	6	5	0.00
27.	30.13	30.07	30.17	71	71	89	6.4	.....	6	5	0.00
28.	30.19	30.15	30.19	70	71	70	6.7	.....	6	5	0.00
29.	30.21	30.16	30.21	72	72	70	6.8	.....	6	5	0.00
30.	30.14	30.06	30.15	72	72	70	6.7	.....	6	5	0.00
31.	30.18	30.12	30.18	72	72	77	6.4				

TABLE V.—*Mean temperature for each hour of seventy-fifth meridian time, May, 1896.*

Stations.	1 a. m.												Midnight.												
	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Mean.		
Bismarck, N. Dak....	51.5	50.6	50.0	48.5	47.5	47.1	47.0	49.3	51.7	55.2	57.5	60.0	62.6	64.6	65.4	68.5	66.7	66.3	65.9	64.6	61.4	57.6	58.5	56.9	
Boston, Mass....	56.0	55.4	55.0	54.5	54.0	54.5	56.2	58.6	60.4	62.0	63.0	63.1	63.8	64.1	63.5	63.7	64.0	63.8	62.0	60.6	59.5	58.6	57.8	57.1	59.6
Buffalo, N. Y....	56.6	56.3	55.8	55.1	55.0	55.5	56.6	57.8	58.1	58.9	60.3	60.4	60.7	61.1	62.0	62.3	61.6	60.7	59.5	59.8	58.5	57.9	57.3	57.1	58.5
Chicago, Ill....	63.0	62.8	61.4	60.8	60.2	59.7	60.2	62.1	63.7	66.4	67.8	68.7	69.3	70.6	70.5	70.3	69.7	68.8	68.1	66.3	64.9	64.1	63.6	65.6	65.6
Cincinnati, Ohio....	68.0	67.1	66.0	65.0	64.1	63.5	63.9	65.5	68.1	71.2	73.8	75.8	77.0	77.3	77.4	77.6	77.7	77.8	76.9	76.0	73.8	72.2	70.5	69.3	71.5
Cleveland, Ohio....	63.2	62.3	61.7	60.9	60.5	59.9	61.1	63.0	65.5	66.7	68.0	68.0	68.4	69.0	69.6	70.2	70.2	69.7	69.0	67.5	65.7	64.5	63.3	65.8	65.8
Detroit, Mich....	60.7	59.7	59.3	58.9	58.2	58.0	59.0	61.1	64.2	66.4	68.7	70.4	71.6	72.5	72.8	72.4	72.6	71.9	70.2	67.7	65.9	63.9	62.5	61.5	65.4
Dodge City, Kans....	63.9	63.1	62.2	61.5	60.4	59.7	58.5	59.8	62.3	65.3	68.4	71.0	73.1	75.5	77.2	78.3	78.5	78.4	77.3	74.8	71.6	68.4	66.6	65.4	68.4
Eastport, Me....	43.4	43.0	42.5	42.2	42.6	43.9	45.8	47.9	49.4	51.5	52.2	52.9	53.0	52.1	50.8	49.5	48.3	47.0	46.0	45.6	44.5	44.0	43.7	47.3	47.3
Galveston, Tex....	76.8	76.7	76.5	75.9	75.8	75.8	75.5	75.8	77.1	78.0	78.5	79.2	79.7	79.7	79.7	79.7	79.4	79.1	78.6	78.1	77.1	77.5	77.4	77.2	77.8
Havre, Mont....	46.6	45.8	44.7	43.7	42.8	43.1	41.7	43.2	45.7	48.0	50.5	52.2	53.9	55.1	56.5	57.1	57.7	57.3	57.3	55.3	52.3	49.5	48.3	50.2	50.2
Kansas City, Mo....	66.3	65.6	64.6	64.0	63.4	62.9	63.0	63.9	66.5	68.5	70.5	72.4	73.9	75.6	75.9	76.0	75.5	74.9	73.0	70.8	69.2	68.1	66.9	66.4	66.4
Key West, Fla....	77.0	76.9	76.9	76.7	76.6	77.6	78.8	79.6	80.1	80.7	81.3	81.2	81.6	81.5	80.6	79.9	78.9	78.2	78.0	77.8	77.5	77.5	78.9	78.9	78.9
Memphis, Tenn....	72.7	71.8	70.8	70.1	69.4	69.0	69.2	71.0	72.9	73.7	78.7	80.4	81.8	83.1	83.8	84.2	83.6	83.3	81.9	80.3	78.5	76.8	75.5	74.3	76.6
New Orleans, La....	73.1	72.8	72.5	72.3	72.0	72.0	72.3	73.9	76.2	78.8	80.5	81.9	82.7	83.2	84.1	82.4	81.6	80.3	78.8	76.8	75.5	74.3	73.6	77.2	77.2
New York, N. Y....	59.8	58.9	58.5	58.1	57.6	57.7	58.7	60.0	61.8	63.6	65.5	66.9	68.0	67.7	67.4	67.4	67.2	66.0	65.0	64.7	63.9	62.5	61.7	61.0	62.9
Philadelphia, Pa....	62.7	62.1	61.7	61.0	60.5	60.7	61.7	63.7	65.4	67.7	69.5	71.1	72.4	73.5	73.9	73.6	72.7	71.5	70.6	68.3	66.7	65.5	64.8	63.8	66.8
Pittsburg, Pa....	65.4	64.7	64.0	63.2	62.7	62.4	63.5	65.0	68.1	70.0	72.1	73.9	75.5	76.4	76.5	76.2	75.5	74.0	72.0	69.9	68.5	67.4	66.2	65.5	69.5
Portland, Oreg....	50.3	49.8	48.8	48.4	47.6	46.8	46.2	45.9	46.5	47.5	48.9	50.4	51.9	53.4	55.1	55.4	56.3	57.1	57.2	57.2	55.9	54.6	53.0	51.9	51.5
St. Louis, Mo....	69.9	69.1	68.3	67.5	67.0	66.6	65.5	67.6	69.3	71.4	73.7	76.1	77.7	79.2	80.1	80.8	80.5	79.6	77.9	75.9	74.6	73.1	71.7	70.5	73.1
St. Paul, Minn....	60.2	59.2	58.3	57.8	57.0	56.2	56.3	57.7	60.4	62.8	65.4	66.8	68.3	69.1	70.2	70.3	70.3	69.6	68.9	67.5	65.6	64.2	62.7	61.6	63.6
Salt Lake City, Utah....	50.5	49.5	48.4	47.6	47.1	46.8	45.5	45.4	46.8	48.7	51.4	52.8	54.2	55.3	56.7	57.4	57.9	58.1	58.0	57.2	56.2	53.8	52.5	52.3	52.3
San Diego, Cal....	60.0	59.3	58.6	58.3	58.0	57.7	57.4	57.1	57.5	59.0	60.8	62.6	64.1	65.0	65.7	65.7	65.7	65.4	65.6	63.0	61.7	60.9	61.6	61.6	61.6
San Francisco, Cal....	54.0	53.8	53.5	52.8	52.5	52.4	51.8	51.6	52.2	53.3	54.9	56.3	58.2	59.1	59.7	60.3	60.6	60.4	59.5	59.0	57.5	54.6	54.5	55.8	55.8
Savannah, Ga....	71.3	70.9	70.4	70.0	69.6	69.7	71.7	74.5	78.5	81.0	83.2	84.1	84.7	85.7	82.6	81.4	79.8	77.8	76.0	74.8	73.7	73.1	72.5	72.1	76.1
Washington, D. C....	63.5	62.6	61.8	61.1	60.5	60.6	62.7	64.9	67.7	69.9	72.0	73.7	74.3	75.5	76.0	75.7	75.6	74.3	72.5	69.9	68.3	66.9	65.5	64.4	68.3

TABLE VI.—*Mean pressure for each hour of seventy-fifth meridian time, May, 1896.*

Stations.	1 a. m.												Midnight.												Mean.
	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.			
Bismarck, N. Dak....	28.065	.065	.066	.068	.067	.073	.077	.083	.086	.087	.084	.079	.072	.064	.058	.051	.044	.041	.040	.042	.049	.061	.070	.076	.065
Boston, Mass....	29.887	.884	.882	.884	.891	.902	.910	.905	.899	.895	.889	.883	.889	.855	.849	.844	.844	.845	.854	.863	.872	.874	.875	.876	.876
Buffalo, N. Y....	29.165	.152	.153	.156	.162	.176	.181	.185	.188	.189	.188	.174	.166	.157	.151	.147	.145	.148	.150	.155	.157	.160	.158	.164	
Chicago, Ill....	29.059	.055	.054	.061	.067	.079	.089	.094	.096	.095	.091	.087	.084	.076	.068	.063	.058	.051	.048	.046	.050	.062	.071	.069	.070
Cincinnati, Ohio....	29.341	.338	.340	.342	.349	.364	.378	.383	.390	.397	.384	.372	.366	.356	.348	.331	.321	.315	.313	.312	.320	.336	.343	.345	.348
Cleveland, Ohio....	29.191	.188	.191	.196	.205	.217	.231	.233	.235	.231	.232	.222	.217	.210	.197	.183	.176	.175	.178	.180	.187	.193	.193	.202	
Detroit, Mich....	29.194	.191	.194	.195	.200	.208	.217	.223	.225	.225	.223	.219	.210	.199	.186	.178	.174	.167	.168	.177	.199	.201	.201	.199	
Dodge City, Kans....	27.257	.251	.252	.248	.250	.260	.273	.280	.293	.295	.296	.297	.288	.274	.261	.247	.234	.226	.224	.227	.237	.246	.250	.256	
Eastport, Me....	29.923	.918	.915	.919	.926	.933	.940	.938	.932	.924	.910	.899	.889	.884	.881	.884	.884	.882	.883	.893	.909	.911	.911	.911	
Galveston, Tex....	29.973	.970	.963	.957	.954	.960	.971	.981	.985	.989	.998	.998	.987	.978	.965	.955	.946	.942	.948	.951	.971	.977	.977	.971	
Havre, Mont....	27.249	.249	.250	.246	.247	.247	.251	.254	.257	.257	.256	.250	.243	.235	.228	.223	.218	.217	.215	.216	.233	.234	.246	.249	.240
Kansas City, Mo....	28.904	.897	.893	.896	.894	.919	.925	.931	.932	.932	.923	.913	.904	.893	.881	.886	.885	.889	.877	.886	.890	.900	.912	.901	
Key West, Fla....	30.046	.035	.025	.023	.025	.035	.050	.061	.067	.070	.070	.065	.053	.041	.028	.017	.014	.015	.022	.034	.045	.056	.060	.056	
Memphis, Tenn....	29.576	.568	.567	.570	.584	.595	.603	.614	.617	.615	.609	.598	.589	.575	.558	.548	.544	.544	.551	.556	.569	.574	.574	.578	
New Orleans, La....	29.394	.988	.988	.988	.989	.995	.007	.019	.022	.017	.007	.006	.006	.005</td											

TABLE VII.—Average wind movement for each hour of seventy-fifth meridian time, May, 1896.

Stations.	Midnight.																								
	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.		
Abilene, Tex.	13.6	13.6	13.6	12.6	12.2	11.8	11.7	12.1	13.7	16.4	16.3	15.9	16.1	15.4	15.0	14.9	15.4	15.3	15.2	14.5	11.8	11.0	12.0	13.8	13.9
Albany, N. Y.	6.8	6.5	6.4	6.2	6.2	6.1	7.3	8.9	9.8	10.3	10.9	11.2	11.4	12.0	12.6	12.0	11.5	9.6	7.6	6.8	7.1	7.3	7.1	8.9	8.9
Alpena, Mich.	8.4	8.6	8.0	8.5	8.5	8.8	9.2	10.7	11.6	12.0	12.7	13.5	13.9	14.3	13.7	14.5	13.3	11.8	10.7	9.4	7.7	7.3	7.4	7.5	10.5
Amarillo, Tex.	20.8	20.4	20.9	19.1	18.4	17.5	17.8	17.5	18.8	20.4	20.5	19.8	20.2	19.9	19.4	18.6	19.0	20.0	20.2	19.7	20.6	19.7	19.2	20.5	19.5
Atlanta, Ga.	7.5	7.3	7.1	7.3	7.8	7.2	6.5	6.5	7.2	7.3	7.4	8.3	8.4	9.0	9.1	9.5	9.7	9.2	9.2	7.7	7.1	8.3	8.5	7.5	7.9
Augusta, Ga.	3.2	2.7	2.6	2.9	2.6	2.0	2.2	3.8	4.1	4.5	5.1	5.7	6.1	7.0	7.1	7.3	7.1	6.3	5.5	4.7	4.0	3.6	3.8	3.1	4.5
Baker City, Oreg.	4.2	4.7	4.5	4.2	4.3	4.0	4.0	4.3	3.8	3.9	4.7	5.3	5.8	6.3	6.5	6.9	7.1	7.3	7.6	7.2	5.7	4.2	3.6	5.3	
Baltimore, Md.	6.4	6.4	6.2	6.0	5.7	5.5	6.5	7.4	7.5	8.5	9.4	9.7	10.0	10.0	10.1	9.6	9.1	8.8	7.1	6.6	6.7	6.6	6.8	6.2	7.6
Bismarck, N. Dak.	8.7	9.0	9.2	9.1	9.4	8.9	9.2	9.5	10.9	13.1	15.5	13.5	16.0	16.4	16.5	17.1	16.0	15.8	14.3	14.4	13.1	11.0	10.1	9.3	12.1
Block Island, R. I.	11.9	11.9	10.9	10.0	10.4	10.5	11.9	14.2	15.4	15.5	16.0	16.8	17.4	18.1	18.6	18.7	18.1	16.6	15.6	15.3	15.0	14.5	13.5	13.3	14.6
Boston, Mass.	8.4	8.3	7.7	7.6	7.8	7.9	8.5	9.9	11.4	11.7	13.0	13.6	13.4	14.2	14.5	13.9	13.5	12.4	11.2	10.5	10.0	9.4	9.4	8.6	10.7
Buffalo, N. Y.	13.6	13.2	13.2	13.3	13.7	13.1	13.1	13.8	15.0	14.5	14.8	15.4	15.9	16.3	16.8	16.7	17.2	15.6	14.6	14.1	14.5	13.8	13.2	14.6	
Cairo, Ill.	5.3	6.0	6.1	6.4	6.2	6.5	5.9	6.3	7.9	8.5	8.2	8.4	8.8	9.0	9.7	10.0	9.4	8.8	7.4	6.9	6.0	5.8	5.9	7.3	
Cape Henry, Va.	11.9	10.9	10.5	11.5	11.5	11.3	11.8	12.4	12.8	12.6	12.6	12.5	13.4	13.0	12.4	12.0	11.4	10.9	10.5	11.0	11.6	11.5	11.7		
Charleston, S. C.	7.0	6.2	6.0	5.6	6.0	5.3	6.3	7.6	7.7	8.1	9.0	10.2	10.8	11.4	11.8	11.4	11.1	10.1	8.9	7.2	6.7	6.2	6.6	8.0	
Charlotte, N. C.	5.5	4.9	5.2	5.2	5.0	4.9	4.9	6.1	6.2	6.5	6.9	7.7	8.2	8.3	8.8	8.4	8.0	7.6	6.5	5.6	5.5	6.1	6.3	5.6	6.4
Chattanooga, Tenn.	4.3	4.2	4.2	3.6	3.5	4.0	3.2	3.6	5.1	5.9	6.5	7.7	7.8	8.5	8.6	9.2	9.8	8.0	7.7	6.0	4.3	3.8	4.0	5.7	
Cheyenne, Wyo.	9.5	9.7	9.8	10.1	9.5	9.4	9.4	9.5	10.0	12.5	14.8	15.4	16.6	17.9	18.6	19.3	19.5	19.4	18.8	14.6	11.0	10.3	9.7	13.5	
Chicago, Ill.	17.4	18.1	18.2	17.0	16.3	16.2	16.9	16.8	17.7	19.0	19.7	20.5	20.3	20.5	21.5	21.1	19.9	19.0	17.8	16.7	16.3	17.1	18.5		
Cincinnati, Ohio	4.2	4.3	5.0	4.7	4.9	4.0	4.0	5.3	6.8	7.2	8.1	8.9	9.9	10.4	9.7	9.1	8.8	8.2	7.5	6.4	6.0	4.8	4.3	6.7	
Cleveland, Ohio	12.3	11.8	10.5	10.2	10.5	10.9	10.5	10.9	12.5	15.3	15.8	16.6	16.0	16.7	15.7	14.7	13.4	11.6	10.3	9.7	8.9	10.1	11.1	11.7	12.4
Columbia, Mo.	7.4	7.3	7.2	7.4	6.9	6.5	6.7	7.0	7.6	8.6	9.7	10.1	9.9	11.2	11.3	11.1	10.6	9.5	8.2	7.7	8.5	8.1	8.6	8.8	
Columbus, Ohio	4.5	4.7	4.2	4.7	4.1	4.1	4.0	4.8	5.5	6.4	7.2	7.3	7.8	7.7	8.1	7.9	7.7	7.6	6.2	5.5	5.6	5.0	5.0	5.8	
Concordia, Kans.	7.6	8.5	8.4	7.9	8.6	8.4	8.1	8.3	9.7	11.2	11.8	11.7	12.6	12.3	12.9	12.2	11.7	10.0	7.7	6.4	7.1	8.2	9.6		
Corpus Christi, Tex.	17.1	16.1	14.8	13.6	13.3	13.7	12.7	12.3	13.8	15.0	16.3	17.6	18.4	19.0	19.6	20.6	20.3	19.7	19.5	18.6	17.8	16.9			
Davenport, Iowa	8.4	7.8	8.4	8.3	8.5	8.0	7.8	8.7	10.0	10.7	11.2	11.6	12.1	12.8	13.3	13.1	13.4	11.8	10.7	9.3	8.2	7.7	8.5	7.8	9.9
Denver, Colo.	7.6	7.3	6.8	7.3	6.1	6.1	6.5	7.0	6.8	6.9	8.0	8.3	9.4	10.1	10.7	12.8	15.1	14.2	13.5	14.0	11.3	10.3	10.0	9.1	9.3
Des Moines, Iowa	7.4	6.7	6.7	6.6	5.6	5.4	5.4	6.4	7.5	9.3	10.3	11.5	12.5	12.8	13.0	13.3	13.9	13.1	11.6	12.2	8.2	8.2	8.6	9.2	
Detroit, Mich.	8.9	8.7	8.9	8.6	9.0	9.0	10.1	11.7	11.6	11.8	13.6	14.0	14.2	14.7	14.6	14.1	13.5	12.5	11.3	9.9	8.5	8.6	8.7	11.1	
Dodge City, Kans.	13.9	13.6	12.8	12.5	12.7	11.7	11.7	13.7	17.0	16.6	17.3	17.8	18.1	18.6	18.7	18.5	17.1	15.6	13.6	10.0	14.2	15.0	15.3		
Duluth, Minn.	7.2	8.4	9.6	10.1	9.9	9.9	9.2	9.2	9.8	10.8	12.1	13.7	13.9	14.4	14.5	15.2	14.5	13.5	12.0	10.8	9.6	8.8	8.2	8.1	11.0
Eastport, Me.	8.1	8.9	9.6	9.5	9.0	8.4	8.1	8.8	9.1	10.0	10.5	11.8	12.3	12.5	13.3	13.0	12.2	10.6	10.5	9.4	9.0	9.0	7.9	10.1	
El Paso, Tex.	12.6	12.7	12.6	11.5	11.7	11.5	11.2	12.0	10.4	10.6	11.9	13.2	14.3	14.4	14.2	15.6	15.2	16.7	17.1	18.2	17.0	13.1	12.3	13.5	
Erie, Pa.	11.2	11.1	10.6	10.7	10.5	10.4	10.6	10.5	11.5	12.4	12.9	12.6	13.3	14.3	14.9	13.9	13.3	11.9	10.5	10.1	9.4	9.3	9.6	10.0	
Eureka, Cal.	8.2	7.1	7.0	7.0	6.6	6.4	7.4	6.4	6.0	6.2	7.2	8.6	10.4	11.8	13.0	14.4	15.2	15.1	14.8	14.0	13.1	10.9	9.7	8.6	
Fort Canby, Wash.	12.4	11.0	11.1	12.2	12.1	11.6	10.5	10.3	10.4	9.7	10.0	9.6	10.4	10.2	12.2	13.0	14.2	13.9	13.3	13.5	13.2	13.5	13.6	12.5	
Fort Smith, Ark.	6.2	5.7	5.9	5.7	5.9	6.5	5.3	5.5	6.3	7.1	8.4	9.5	9.7	10.4	10.1	10.8	9.9	10.1	8.5	8.6	8.5	5.6	5.8	7.4	
Fresno, Cal.	10.1	10.4	9.5	8.5	8.2	7.5	6.4	5.8	6.6	6.3	6.4	5.9	5.9	5.7	6.3	6.7	7.0	7.8	8.9	9.6	9.9	10.5	7.7		
Galveston, Tex.	11.6	11.5	11.1	11.9	11.2	10.7	10.8	10.8	11.6	12.2	12.6	12.2	12.8	13.4	13.6	13.4	12.6	12.2	12.0	11.9	11.6	11.1	11.6	12.1	
Grand Haven, Mich.	9.0	9.3	9.3	9.6	9.8	10.1	10.7	11.4	12.0	12.7	13.2	13.2	12.8	12.3	12.0	11.6	11.6	10.5	10.4	9.1	8.6	8.5	9.1	10.5	
Greenbay, Wis.	7.2	7.0	7.2	7.5	7.6	7.3	6.6	7.4	8.6	9.3	10.2	11.0	12.2	12.0	12.5	13.4	13.3	12.9	12.4	10.8	9.7	7.9	7.7	9.5	
Hannibal, Mo.	10.0	9.4	9.0	9.0	7.6	7.8	8.3	8.1	10.0	10.8	12.5	13.4	13.9	13.5	13.9	13.7	13.7	12.9	10.9	8.3	9.0	9.2	9.2	10.5	
Harrisburg, Pa.	6.1	5.7	5.3	5.3	5.0	5.1	5.5	5.8	6.5	8.5	8.6	8.7	9.0	9.1	9.4	9.0	8.9	8.1	6.8	6.0	6.1	5.6	5.7	7.0	
Hatteras, N. C.	10.5	9.8	9.7	9.0	9.3	9.5	9.9	10.5	11.9	12.1	12.6	12.8	13.5	14.1	14.3	14.6	14.3	13.6	12.6	11.5	11.1	11.6	11.7	11.7	
Havre, Mont.	6.5	6.3	7.5	7.4	7.4	7.6	7.3	8.3	10.3	11.7	12.3	12.0	13.0	12.9	13.6	14.0	13.5	12.7	12.7	10.7	9.6	7.7	6.4	9.9	
Helena, Mont.	8.7	9.0	9.4	8.9	8.4	7.9	7.5	6.0	5.8	5.7	6.5	7.1	9.6	10.3	11.3	11.9	11.9	12.1	11.0	9.7	7.8	8.0	9.1		
Huron, S. Dak.	13.5	14.6	13.6	12.1	12.8	13.1	13.4	14.6	17.0	18.7	18.9	18.2	18.3	18.4	18.6	19.2	18.4	18.0	17.3	14.5	12.8	12.7	15.6		
Idaho Falls, Idaho	7.0	7.2	7.5	7.0	6.7	6.4	6.8	7.4	8.9	10.2	10.5	10.2	10.4	10.8	11.9	12.7	12.9	12.4	11.5	11.1	10.3	9.3	8.8		
Indianapolis, Ind.	4.3	4.1	4.2	4.0	4.2	4.2	4.4	4.9	4.8	5.9	6.9	7.3	7.8	8.2	8.8	9.0	8.0	8.1	7.6	6.9	5.4	4.8	5.3	5.8	
Jacksonville, Fla.	6.1	5.8	5.7	6.1	5.5	5.1	5.1	6.5	7.4	7.2	6.7	6.7	7.7	8.6	9.0	10.2	10.9	10.0	8.3	7.6	6.7	7.1	7.4		
Jupiter, Fla.	9.1	8.9	8.7	8.1	8.0	7.6	7.3	7.7	8.5	9.1	10.4	11.1	12.0	11.8	12.1	11.5	11.0	10.9	9.6	9.5	9.8	9.5	10.0	9.7	
Kansas City, Mo.	7.1	7.8	6.9	7.0	7.4	7.2	7.5	8.2	9.6	10.5	10.6	11.3	12.2	12.8	13.2	12.9	11.1	10.9	10.5	9.8	8.4	7.8	7.5	8.6	
Keokuk, Iowa	7.9	7.5	7.4	6.1	5.9	6.1	6.5	7.2	8.0	8.9	9.7	11.0	10.9	11.4	11.2	11.5	10.3	9.5	8.5	8.5	7.5	7.5	8.1	8.6	
Key West, Fla.	9.0	9.1	9.0	8.8	8.9	8.5	8.3	9.2	1																

TABLE VII.—Average wind movement, etc.—Continued.

Stations.	Wind movement, etc.												Wind movement, etc.												Mean.
	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	
Philadelphia, Pa....	7.8	7.9	7.9	8.5	7.5	8.0	8.2	9.2	10.1	10.9	11.5	11.6	11.8	12.4	12.7	12.5	12.0	11.1	10.3	9.4	9.0	8.4	8.2	8.6	9.8
Phoenix, Ariz.....	4.1	3.8	4.0	4.0	4.6	4.5	4.5	5.3	4.9	5.5	5.0	5.0	4.9	6.0	6.5	7.6	8.6	9.3	9.1	8.4	6.6	5.1	5.2	4.8	5.7
Pierre, S. Dak.....	11.0	9.9	8.6	9.6	9.3	8.5	9.0	9.5	11.7	13.7	13.9	13.4	13.7	14.7	14.5	14.6	14.3	14.2	14.0	13.0	11.5	10.7	10.7	10.0	11.8
Pittsburg, Pa.....	4.5	4.5	4.5	4.1	4.1	4.2	4.4	5.5	6.2	6.9	7.0	6.9	7.6	8.2	8.5	8.6	7.9	6.9	6.1	5.8	5.5	4.6	4.4	4.6	6.1
Port Angeles, Wash..	4.7	5.4	5.4	5.5	5.0	5.2	4.5	4.8	4.9	4.8	5.0	6.2	7.6	7.9	8.5	7.6	8.6	8.9	10.3	10.4	9.2	7.7	6.8	6.7	5.1
Port Huron, Mich....	9.4	9.4	10.8	9.9	8.9	8.9	9.7	10.7	11.9	12.5	13.7	13.8	15.0	15.3	15.6	15.4	14.8	13.3	11.8	10.1	10.1	10.0	10.0	9.8	11.7
Portland, Me.....	4.9	5.1	5.3	4.9	5.4	4.9	5.2	6.2	7.3	8.5	9.4	10.3	11.0	11.1	10.5	9.5	8.5	6.8	5.7	6.1	5.1	5.2	4.5	5.7	7.2
Portland, Oreg.....	9.5	8.7	8.8	8.9	8.2	8.0	7.6	8.4	8.5	8.7	9.0	9.3	8.7	9.1	9.7	10.0	9.4	10.0	9.7	9.9	10.3	9.6	10.1	9.2	9.3
Pueblo, Colo.....	7.9	7.4	7.0	6.1	6.2	5.4	5.0	4.8	4.7	6.0	7.5	8.9	9.6	10.7	12.4	13.6	14.5	14.7	15.4	14.6	12.7	10.5	9.0	9.3	
Raleigh, N. C.....	8.7	8.8	3.9	4.1	4.1	4.3	4.6	5.6	6.5	6.9	6.7	6.0	6.2	7.0	6.5	6.0	5.9	4.6	4.5	3.9	4.0	4.2	3.5	5.1	
Rapid City, S. Dak....	7.5	8.4	9.7	9.1	9.8	9.5	9.5	9.9	9.1	10.8	13.1	14.2	13.7	14.1	18.3	13.8	18.4	13.8	11.6	8.3	8.1	7.9	11.0		
Redbluff, Cal.....	7.3	7.4	7.5	7.6	6.7	6.8	6.8	7.3	8.0	9.6	10.5	10.8	10.3	9.5	9.4	9.1	9.2	9.0	8.5	8.2	7.7	7.1	7.5	8.2	
Rochester, N. Y.....	6.6	6.4	6.6	6.5	6.4	6.1	6.9	8.0	8.5	9.2	10.0	10.4	11.4	11.3	12.0	11.9	11.8	10.3	7.6	6.7	6.4	6.6	8.4		
Roseburg, Oreg.....	3.7	3.2	3.1	2.7	2.7	2.5	2.7	2.8	3.8	4.5	4.9	5.6	6.0	7.1	7.0	8.2	8.4	7.7	7.8	7.0	5.3	4.4	4.9		
Sacramento, Cal.....	9.1	9.1	8.3	8.3	9.1	9.7	9.4	9.1	9.3	10.2	10.6	11.6	11.9	12.5	12.3	12.4	12.1	11.7	11.1	11.5	11.0	10.1	10.5		
St. Louis, Mo.....	9.7	10.1	9.7	8.9	8.5	7.8	8.1	8.5	8.9	9.0	10.5	11.3	11.9	12.3	12.8	13.1	13.9	14.0	13.5	11.3	9.9	9.5	10.1	10.6	
St. Paul, Minn.....	6.8	7.2	6.9	6.6	7.4	6.8	6.3	7.4	8.4	9.3	10.8	10.5	11.2	11.8	12.3	12.0	11.7	10.5	9.6	8.0	7.3	7.4	7.5	9.0	
Salt Lake City, Utah..	5.1	5.5	4.8	3.7	4.4	4.5	4.6	4.3	4.4	5.5	7.0	8.3	9.2	10.0	11.2	10.8	9.4	7.8	7.1	5.8	6.0	6.3	6.7		
San Antonio, Tex....	10.5	8.8	8.1	8.2	7.5	6.7	6.5	6.7	9.1	10.5	10.9	10.9	11.5	11.9	12.1	12.0	11.8	12.7	12.9	13.1	11.8	10.5			
San Diego, Cal.....	3.4	3.3	3.4	3.6	3.5	3.6	3.6	3.4	3.6	3.7	4.5	5.6	7.7	9.0	10.3	10.6	10.4	10.6	10.1	9.0	7.7	6.0	4.6	6.1	
Sandusky, Ohio.....	7.6	7.1	7.3	7.6	7.6	7.1	6.9	7.8	8.3	9.2	9.9	9.9	10.1	9.8	10.2	9.9	8.4	8.4	7.5	6.9	6.4	7.1	7.1	8.8	
San Francisco, Cal..	10.5	9.6	9.0	7.8	7.5	7.6	7.1	8.2	7.7	8.0	8.8	9.5	10.9	13.0	15.0	17.3	18.8	18.9	19.7	19.4	18.6	16.6	14.2	12.7	12.4
San Luis Obispo, Cal..	3.7	3.4	3.6	3.8	4.2	4.5	4.4	4.2	4.4	5.1	5.8	7.0	7.4	8.3	10.3	10.9	11.4	11.6	10.8	11.1	9.5	8.2	6.2	4.7	6.9
Santa Fe, N. Mex....	5.7	5.7	5.8	5.5	5.2	5.0	5.1	5.5	5.3	6.8	8.6	9.8	10.5	11.0	12.8	14.0	15.6	15.7	14.6	13.1	10.9	7.8	6.5	6.0	8.9
Sault Ste Marie, Mich.	6.6	6.2	6.6	7.1	7.2	8.3	8.7	9.3	10.6	10.8	11.5	12.6	13.4	13.7	13.9	13.5	14.0	13.2	11.4	9.8	9.2	7.4	7.1	7.1	10.0
Savannah, Ga.....	6.5	6.0	5.6	5.5	5.3	5.3	6.4	6.8	6.8	6.5	6.5	6.5	7.6	9.0	10.3	10.7	9.8	10.0	8.7	8.0	7.7	7.0	6.5	6.3	7.3
Seattle, Wash.....	3.9	4.1	4.7	4.7	4.5	4.5	4.3	4.4	4.5	4.8	4.7	5.0	5.5	5.9	6.1	6.3	6.7	7.2	7.5	6.7	5.8	5.4	4.8	4.8	
Shreveport, La.....	7.0	6.4	5.6	5.0	5.4	5.5	4.8	5.3	6.5	7.8	7.7	7.8	8.1	8.8	9.3	9.8	8.8	9.1	9.5	8.7	7.6	6.7	6.9	6.9	
Sioux City, Iowa....	10.1	9.6	10.3	9.7	10.2	10.5	9.8	9.9	10.5	12.1	13.7	14.8	14.6	14.8	16.1	16.8	16.6	16.4	16.0	15.2	12.7	10.8	9.8	10.4	12.6
Spokane, Wash.....	4.6	4.7	5.0	5.0	5.3	5.7	5.7	6.2	5.8	6.3	6.5	6.7	7.4	7.7	8.3	9.4	10.3	9.7	8.8	8.4	6.7	5.6	4.7	6.8	
Springfield, Ill.....	8.9	8.9	8.9	9.1	9.0	8.5	8.2	8.8	9.8	10.5	11.5	11.5	11.8	12.5	13.0	12.6	13.1	12.0	11.7	10.4	9.4	8.5	8.4	10.8	
Springfield, Mo.....	11.4	11.6	11.0	10.4	10.3	10.0	9.9	10.9	11.7	12.8	13.3	13.0	12.8	12.9	14.1	13.9	13.5	12.5	11.0	9.7	9.8	10.9	11.2	11.7	
Tampa, Fla.....	4.2	4.4	4.2	4.0	4.5	4.6	4.8	4.8	5.4	5.8	6.3	6.6	6.9	8.5	9.6	9.5	9.3	7.6	5.8	4.9	4.4	4.2	4.8	6.0	
Tatoosh Island, Wash.	10.9	10.7	10.5	10.5	11.2	11.4	10.2	10.7	10.3	11.0	11.3	11.3	12.3	13.2	13.1	13.2	12.6	12.0	11.6	11.1	12.1	10.7	11.3		
Toledo, Ohio.....	8.1	8.4	8.6	7.7	8.0	8.1	9.5	10.5	10.5	11.3	11.8	12.4	12.4	12.6	13.8	13.9	13.2	12.7	12.5	11.0	10.2	9.5	10.1		
Vicksburg, Miss....	6.3	6.0	6.0	5.9	5.5	5.4	5.2	5.4	5.7	6.2	6.4	6.6	7.1	7.6	7.7	8.1	8.0	6.9	5.9	4.8	5.1	5.9	6.0	6.5	6.3
Vineyard Haven, Mass.	7.3	6.7	7.1	6.7	6.6	7.2	7.8	9.1	9.6	10.5	11.1	11.8	12.1	12.1	12.3	11.2	10.5	9.8	8.8	7.9	7.6	7.4	7.2	9.0	
Walla Walla, Wash....	6.6	6.1	6.0	5.5	6.0	6.1	5.9	5.7	6.4	6.8	7.8	8.9	8.5	8.4	9.5	9.4	9.5	8.5	8.2	8.0	7.5	7.0	6.9	7.3	
Washington, D. C....	4.7	4.6	4.3	5.0	4.5	4.8	4.4	4.7	6.1	7.2	7.4	7.6	8.1	8.3	8.2	7.8	7.1	6.5	5.9	5.3	4.5	4.6	4.4	6.1	
Wichita, Kans.....	9.5	9.7	9.7	9.0	9.1	8.4	8.4	9.5	11.4	12.6	13.2	13.8	13.9	13.2	13.4	13.1	13.6	14.1	13.5	11.9	10.7	10.6	10.2	9.5	11.4
Williston, N. Dak....	9.1	7.9	8.4	9.0	8.8	8.5	8.6	8.8	10.1	11.9	13.9	15.1	14.3	15.3	15.9	16.7	16.0	15.2	14.8	15.0	13.4	11.6	10.5	9.9	12.0
Wilmette, N. C.....	6.5	6.3	6.1	5.8	5.6	5.8	6.3	7.3	8.1	8.4	8.7	8.5	9.1	10.8	11.5	12.1	12.2	10.6	9.5	8.5	7.6	7.9	8.0	7.3	8.3
Winemucca, Nev....	9.0	8.7	9.1	8.2	8.2	8.3	8.0	9.5	8.6	9.2	11.4	10.7	12.6	12.3	13.1	13.6	15.0	14.0	12.5	12.8	11.3	9.1	7.5	7.7	10.5
Woods Hole, Mass....	10.4	9.5	9.6	9.1	9.0	10.0	10.8	12.5	14.2	14.9	14.5	15.9	16.5	16.6	16.4	15.8	14.6	13.9	13.3	12.3	11.7	10.8	11.7	12.7	
Yuma, Ariz.....	8.1	7.2	6.5	5.6	6.3	5.3	4.8	5.3	5.3	5.8	6.0	8.9	9.5	10.0	9.6	9.4	9.7	9.8	10.5	11.3	11.5	10.9	10.7	8.4	

TABLE VIII.—Heights of rivers above low-water mark, May, 1896.

Stations.	Distance to mouth of river.	Dangerous point on gauge.	Highest water.		Lowest water.		Stations.	Distance to mouth of river.	Dangerous point on gauge.	Highest water.		Lowest water.		Stations.	Distance to mouth of river.	Dangerous point on gauge.	Highest water.		Lowest water.		Stations.	Distance to mouth of river.	Dangerous point on gauge.
Height.	Date.	Height.	Date.	Mean stage.	Monthly range.	Height.	Date.	Height.	Date.	Mean stage.	Monthly range.	Height.	Date.	Height.	Date.	Mean stage.	Monthly range.						

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TABLE IX.—Resultant winds from observations at 8 a. m. and 8 p. m., daily, during May, 1896.

Stations.	Component direction from—				Resultant.		Stations.	Component direction from—				Resultant.	
	N.	S.	E.	W.	Direction from—	Duration.		N.	S.	E.	W.	Direction from—	Duration.
<i>New England.</i>					°	Hours.						°	Hours.
Eastport, Me.	19	24	13	13	s.	5	Milwaukee, Wis.	13	23	22	21	s. 5 e.	11
Portland, Me.	17	30	7	20	s. 45 w.	18	Greenbay, Wis.	13	29	18	20	s. 7 w.	16
Northfield, Vt.	26	29	5	10	s. 59 w.	6	Duluth, Minn.	33	10	23	15	n. 19 e.	24
Boston, Mass.	14	20	20	24	s. 34 w.	7	<i>North Dakota.</i>						
Nantucket, Mass.	12	21	13	28	s. 59 w.	18	Moorhead, Minn.	21	22	11	21	s. 84 w.	10
Woods Hole, Mass.*	5	17	7	11	s. 18 w.	13	Bismarck, N. Dak.	24	12	23	14	n. 37 e.	15
Block Island, R. I.	9	23	20	29	s. 33 w.	17	Williston, N. Dak.	24	9	21	21	n.	15
New Haven, Conn.	15	27	15	15	s.	12	<i>Upper Mississippi Valley.</i>						
<i>Middle Atlantic States.</i>							St. Paul, Minn.	14	27	18	24	s. 25 w.	14
Albany, N. Y.	15	30	8	15	s. 25 w.	17	La Crosse, Wis.†	4	20	6	6	s.	16
New York, N. Y.	14	22	19	23	s. 27 w.	9	Davenport, Iowa.	10	21	25	19	s. 29 e.	12
Harrisburg, Pa.	6	17	19	26	s. 32 w.	13	Des Moines, Iowa.	14	27	16	15	s. 4 e.	13
Philadelphia, Pa.	18	15	17	28	n. 75 w.	11	Keokuk, Iowa.	10	34	17	18	s. 2 w.	24
Baltimore, Md.	14	24	19	21	s. 11 w.	10	Cairo, Ill.	9	32	20	16	s. 10 e.	23
Washington, D. C.	16	23	17	19	s. 16 w.	7	Springfield, Ill.	4	39	8	16	s. 18 w.	36
Lynchburg, Va.	14	23	22	20	s. 13 e.	9	Hannibal, Mo.	10	36	13	18	s. 11 w.	26
Norfolk, Va.	15	24	22	18	s. 24 e.	10	St. Louis, Mo.	7	40	18	10	s. 14 e.	34
<i>South Atlantic States.</i>							<i>Missouri Valley.</i>						
Charlotte, N. C.	13	30	22	10	s. 35 e.	21	Columbia, Mo.*	4	17	11	7	s. 17 e.	14
Hatteras, N. C.	14	27	15	24	s. 35 w.	16	Kansas City, Mo.	8	41	20	10	s. 17 e.	34
Kittyhawk, N. C.	15	23	22	20	s. 14 e.	2	Springfield, Mo.	6	42	18	9	s. 14 e.	37
Raleigh, N. C.	17	27	14	19	s. 27 w.	11	Omaha, Nebr.	20	19	17	19	s. 63 w.	2
Wilmington, N. C.	6	33	16	26	s. 20 w.	29	Sioux City, Iowa.	9	15	9	3	s. 41 e.	9
Charleston, S. C.	2	37	11	23	s. 19 w.	37	Pierre, S. Dak.	21	14	25	18	s. 45 e.	10
Augusta, Ga.	13	25	22	19	s. 14 e.	12	Huron, S. Dak.	22	21	22	17	n. 79 e.	5
Savannah, Ga.	8	40	6	19	s. 22 w.	34	<i>Northern Slope.</i>						
Jacksonville, Fla.	7	35	28	7	s. 37 e.	35	Havre, Mont.	14	17	12	33	s. 82 w.	21
<i>Florida Peninsula.</i>							Miles City, Mont.	24	11	17	19	n. 9 w.	13
Jupiter, Fla.	9	31	33	7	s. 50 e.	34	Helena, Mont.	13	27	5	29	s. 58 w.	28
Key West, Fla.	8	13	50	0	s. 84 e.	50	Rapid City, S. Dak.	18	14	14	26	n. 72 w.	13
Tampa, Fla.	20	12	24	20	s. 27 e.	9	Cheyenne, Wyo.	21	17	6	26	n. 79 w.	20
<i>Eastern Gulf States.</i>							Lander, Wyo.	10	25	12	30	s. 50 w.	23
Atlanta, Ga.	12	23	14	29	s. 54 w.	19	North Platte, Neb.	15	29	18	17	s. 4 e.	14
Pensacola, Fla.	18	27	8	26	s. 68 w.	20	<i>Middle Slope.</i>						
Mobile, Ala.	20	33	9	9	s.	13	Denver, Colo.	15	30	10	20	s. 34 w.	18
Montgomery, Ala.	13	30	19	18	s. 3 e.	17	Pueblo, Colo.	19	17	18	23	n. 68 w.	5
Meridian, Miss.	13	38	17	11	s. 13 e.	26	Concordia, Kans.	14	29	16	12	s. 15 e.	16
Vicksburg, Miss.	4	32	23	15	s. 16 e.	29	Dodge City, Kans.	23	27	19	5	s. 74 e.	15
New Orleans, La.	3	45	25	7	s. 23 e.	46	Wichita, Kans.	10	35	20	5	s. 31 e.	29
<i>Western Gulf States.</i>							Oklahoma, Okla.	5	46	22	3	s. 25 e.	45
Shreveport, La.	2	43	25	8	s. 22 e.	44	<i>Southern Slope.</i>						
Fort Smith, Ark.	7	21	32	3	s. 64 e.	32	Abilene, Tex.	6	43	15	11	s. 6 e.	37
Little Rock, Ark.	7	40	12	14	s. 3 w.	33	Amarillo, Tex.	9	38	5	14	s. 17 w.	30
Corpus Christi, Tex.	1	41	42	1	s. 46 e.	57	<i>Southern Plateau.</i>						
Galveston, Tex.	0	52	21	2	s. 20 e.	55	El Paso, Tex.	19	13	6	39	n. 80 w.	34
Palestine, Tex.	5	45	18	5	s. 18 e.	42	Santa Fe, N. Mex.	12	26	18	24	s. 23 w.	15
San Antonio, Tex.	1	43	28	2	s. 31 e.	49	Phoenix, Ariz.	5	23	6	36	s. 59 w.	35
<i>Ohio Valley and Tennessee.</i>							Yuma, Ariz.	20	13	10	33	n. 72 w.	28
Chattanooga, Tenn.	9	29	10	28	s. 42 w.	27	<i>Middle Plateau.</i>						
Knoxville, Tenn.	13	13	20	27	w.	7	Carson City, Nev.	18	15	3	42	n. 86 w.	39
Memphis, Tenn.	11	31	23	8	s. 37 e.	25	Winnemucca, Nev.	16	24	10	23	s. 58 w.	15
Nashville, Tenn.	12	30	17	19	s. 6 w.	18	Salt Lake City, Utah.	24	15	19	24	n. 29 w.	10
Lexington, Ky.	9	28	15	25	s. 28 w.	22	<i>Northern Plateau.</i>						
Louisville, Ky.	14	27	17	18	s. 4 w.	13	Baker City, Oreg.	25	21	13	19	n. 56 w.	7
Indianapolis, Ind.	11	28	22	17	s. 16 e.	18	Idaho Falls, Idaho.	9	44	8	6	s. 3 e.	35
Cincinnati, Ohio.	12	22	26	17	s. 42 e.	14	Spokane, Wash.	10	37	8	21	s. 26 w.	30
Columbus, Ohio.	14	24	20	18	s. 11 e.	20	Walla Walla, Wash.	3	47	11	12	s. 1 w.	44
Pittsburg, Pa.	13	20	18	27	s. 52 w.	11	<i>North Pacific Coast Region.</i>						
Parkersburg, W. Va.	12	26	23	14	s. 33 e.	16	Port Canby, Wash.	18	15	7	32	n. 83 w.	25
<i>Lower Lake Region.</i>							Port Angeles, Wash.	9	21	6	35	s. 68 w.	31
Buffalo, N. Y.	5	22	15	31	s. 43 w.	23	Seattle, Wash.	19	31	14	12	s. 9 e.	12
Oswego, N. Y.	9	27	14	26	s. 34 w.	22	Tatoosh Island, Wash.	6	22	17	30	s. 39 w.	21
Rochester, N. Y.	11	22	12	32	s. 61 w.	23	Portland, Oreg.	15	27	12	25	s. 47 w.	18
Erie, Pa.	11	22	15	28	s. 50 w.	17	Roseburg, Oreg.	24	15	10	27	n. 62 w.	19
Cleveland, Ohio.	10	26	21	22	s. 3 w.	16	<i>Middle Pacific Coast Region.</i>						
Sandusky, Ohio.	11	16	22	25	s. 31 w.	6	Eureka, Cal.	23	18	11	27	n. 73 w.	17
Toledo, Ohio.	0	14	20	29	s. 48 w.	12	Redbluff, Cal.	23	21	13	25	n. 81 w.	12
Detroit, Mich.	7	26	17	29	s. 32 w.	22	Sacramento, Cal.	18	29	10	22	s. 47 w.	16
<i>Upper Lake Region.</i>							San Francisco, Cal.	5	12	1	49	s. 82 w.	48
Alpena, Mich.	12	23	23	20	s. 15 e.	11	<i>South Pacific Coast Region.</i>						
Grand Haven, Mich.	8	23	18	24	s. 17 w.	21	Fresno, Cal.	20	3	2	48	n. 70 w.	49
Marquette, Mich.	22	24	16	17	s. 27 w.	2	Los Angeles, Cal.	18	6	18	31	n. 47 w.	18
Port Huron, Mich.	14	27	11	20	s. 35 w.	16	San Diego, Cal.	20	13	9	36	n. 75 w.	28
Sault Ste. Marie, Mich.	12	20	25	21	s. 27 e.	9	San Luis Obispo, Cal.	24	6	1	37	n. 63 w.	40
Chicago, Ill.	8	33	13	20	s. 16 w.	26							

* From observations at 8 p. m. only. † From observations at 8 a. m. only.

TABLE X.—*Thunderstorms and auroras, May, 1896.*

TABLE XI.—Hourly sunshine as deduced from sunshine recorders, May, 1896.

Stations.	Instrument.	Percentages for each hour of local mean time ending with the respective hour.																Monthly summary.			
		A. M.								P. M.								Instrumental record.			
		5	6	7	8	9	10	11	Noon	1	2	3	4	5	6	7	8	Actual.	Possible.	Percent of possible.	Personal estimate.
Atlanta, Ga.....	T.	27	40	72	91	96	96	98	96	97	97	98	97	94	81	58	50	374.0	432.6	86	53
Baltimore, Md.....	T.	28	29	29	34	46	55	46	40	33	25	23	21	19	6	142.8	443.8	32	34		
Bismarck, N. Dak.....	P.	31	36	40	43	53	57	56	51	50	58	61	57	54	53	34	229.8	467.4	49	46	
Boston, Mass.....	T.	33	43	45	50	59	75	80	81	73	71	60	61	52	44	38	282.8	451.9	58	46	
Buffalo, N. Y.*	T.	33	36	36	37	50	60	61	67	71	70	74	81	68	49	48	205.8	364.5	56	46	
Chicago, Ill.....	T.	46	46	66	81	88	94	91	90	95	93	92	86	85	57	42	36	351.2	451.9	78	66
Cincinnati, Ohio.....	T.	48	61	55	67	84	89	92	94	93	92	88	88	83	77	64	42	355.4	448.8	80	56
Cleveland, Ohio.....	P.	50	41	48	59	73	82	75	49	76	71	72	69	69	54	32	39	277.3	451.9	61	52
Columbus, Ohio.....	T.	22	29	37	50	59	66	76	81	86	85	70	59	54	42	23	8	255.6	446.7	57	43
Denver, Colo.....	P.	31	40	49	53	61	68	69	69	66	61	64	56	53	53	50	257.7	446.7	58	50	
Des Moines, Iowa.....	T.	35	39	45	54	61	69	73	75	75	76	73	65	61	55	56	36	279.4	451.9	34	34
Detroit, Mich.....	T.	43	45	63	79	86	91	94	97	98	93	88	84	81	74	59	44	358.7	451.9	79	63
Dodge City, Kans.....	P.	31	47	47	55	59	59	63	67	74	79	81	81	66	54	57	61	278.3	441.7	63	58
Eastport, Me.....	P.	40	48	55	62	70	65	66	66	66	67	68	64	57	44	30	278.3	460.6	60	43	
Eureka, Cal.....	P.	21	24	35	51	56	59	65	65	74	72	63	59	58	40	31	238.3	449.1	53	47	
Galveston, Tex.....	P.	39	35	47	50	61	60	64	55	59	55	62	55	38	35	25	31	313.5	421.8	74	67
Helena, Mont.....	P.	43	41	52	60	64	58	52	52	56	63	60	55	35	35	28	229.0	467.4	49	44	
Kansas City, Mo.....	T.	41	57	57	67	77	93	97	95	80	88	95	91	80	70	47	50	342.7	434.2	79	61
Little Rock, Ark.....	T.	45	59	60	60	75	85	83	83	80	83	88	87	84	73	68	56	325.6	441.7	74	52
Louisville, Ky.....	T.	72	63	76	83	81	80	81	80	70	71	65	57	52	32	13	284.0	423.7	67	64	
New Orleans, La.....	T.	18	24	36	50	58	63	69	70	70	60	56	52	41	29	22	24	219.6	449.1	49	46
Northfield, Vt.....	T.	22	27	48	63	58	55	57	58	64	60	60	49	31	19	237.7	457.7	52	42		
Philadelphia, Pa.....	T.	36	37	37	52	61	72	73	73	82	81	84	79	67	57	43	35	287.7	446.7	64	36
Phoenix, Ariz.....	P.	73	81	87	92	88	92	93	85	86	92	91	90	91	90	83	100	381.6	430.7	89	80
Portland, Me f.....	T.	0	5	39	65	76	75	73	74	74	71	76	71	54	42	17	2	179.9	322.9	56	43
Portland, Oreg.....	T.	30	23	24	37	48	38	37	43	48	37	38	38	35	24	20	37	158.7	464.1	34	43
Rochester, N. Y.....	P.	30	24	28	34	35	35	34	36	30	31	37	42	39	36	31	37	158.9	464.1	34	43
St. Louis, Mo.....	T.	45	57	67	77	86	92	97	99	99	100	98	99	91	74	61	303.8	454.9	87	69	
Salt Lake City, Utah.....	P.	22	40	57	65	80	84	87	89	89	89	86	84	83	70	45	11	326.4	443.8	74	55
San Diego, Cal.....	P.	41	39	42	51	52	53	55	59	57	62	58	59	60	49	49	59	237.8	449.1	53	36
San Francisco, Cal.....	P.	87	66	58	56	70	78	84	90	86	92	82	82	73	59	50	40	315.5	430.7	74	65
Santa Fe, N. Mex.....	P.	78	74	90	90	89	84	81	84	85	83	78	71	67	61	57	351.5	436.7	81	64	
Savannah, Ga.....	P.	25	69	75	83	85	84	70	71	77	79	77	84	83	70	54	310.8	428.4	73	50	
Vicksburg, Miss.....	T.	38	42	52	68	82	89	94	93	92	91	85	81	83	70	54	330.4	428.4	77	72	
Washington, D. C.....	P.	38	36	42	47	49	57	55	53	44	47	44	45	40	29	25	200.0	443.8	45	40	
Wilmington, N. C.....	T.	14	35	46	74	86	86	93	90	91	87	84	74	43	18	0	307.5	432.6	71	55	

* All values for 25 days. + All values for 22 days.

TABLE XII.—Maximum rainfall in one hour or less, May, 1896.

Stations.	Maximum rainfall in—						Stations.	Maximum rainfall in—					
	5 min.	Date.	10 min.	Date.	1hour.	Date.		5 min.	Date.	10 min.	Date.	1hour.	Date.
Atlanta, Ga.....	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Milwaukee, Wis.....	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.
0.40	26	0.45	26	0.70	26	0.70	27	0.10	27	0.25	27	0.25	1
0.06	22	0.08	22	0.33	22	0.33	28	0.23	28	0.45	28	0.45	28
0.20	19	0.28	19	0.46	19	0.46	29	0.40	31	1.23	31	1.23	31
0.31	26	0.43	26	0.43	26	0.43	30	0.35	25	0.65	25	0.82	25
0.50	25	1.00	25	1.34	25	1.34	31	0.15	28	0.25	28	0.46	28
0.23	25	0.36	25	0.49	25	0.49	32	0.39	31	0.50	31	0.97	31
0.07	21	0.11	21	0.31	20	0.31	33	0.37	12	0.43	12	0.90	11
0.07	21	0.01	15	0.07	15	0.07	34	0.24	3	0.42	3	0.92	3
0.12	27	0.18	27	0.18	27	0.18	35	1.08	31	0.13	31	0.58	31
0.30	8	0.38	8	0.50	8	0.50	36	0.09	23	0.19	23	0.25	23
0.21	13	0.28	13	0.63	13	0.63	37	0.28	26	0.25	26	0.41	26
0.06	29	0.12	29	0.20	29	0.20	38	0.55	27	0.66	27	1.33	27
0.07	3	0.15	3	0.45	3	0.45	39	0.48	12	0.57	12	0.87	12
0.40	25	0.60	25	1.09	25	1.09	40	0.15	29	0.17	29	0.30	29
0.10	23	0.18	25	0.59	25	0.59	41	0.05	11	0.05	11	0.14	11
0.23	23	0.35	23	0.58	23	0.58	42	0.45	5	0.73	5	0.92	5
0.80	31	1.05	31	1.15	31	1.15	43	0.07	32	0.14	32	0.46	23
0.16	30	0.17	30	0.24	30	0.24	44	0.28	20	0.37	20	0.74	20
0.05	20	0.06	20	0.26	19	0.26	45	0.36	19	0.45	19	0.55	19
0.23	28	0.35	28	0.82	28	0.82	46	0.15	3	0.23	3	0.55	3
0.16	20	0.28	20	0.89	20	0.89	47	0.15	3	0.23	3	0.55	3

* Less than 0.05 inch in one hour.

TABLE XIII.—*Excessive precipitation, by stations, for May, 1896.*

Stations.	Monthly rainfall. 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		Day.
		Amt.	Day.	Amt.	Time.	
<i>Alabama.</i>						
Carrollton		Inches.	Inches.	Inch.	h.m.	
Clanton				1.78	1 00	1
Cordova				1.73	1 30	14
Demopolis				2.93	1-2	
Eufaula				2.90	28-29	
Florence						
Healing Springs						
Tuscaloosa				2.83	1	
<i>Arkansas.</i>						
Dallas				2.60	12-13	
Fayetteville				2.75	20	
Fort Smith				2.85	22	
Helena						
Mossdale						
Silver Springs				2.50	30	
Wiggs				2.56	30	
<i>California.</i>						
Bear Valley	10.03					
Fordyce Dam				3.00	1	
Redding				2.65	3	
Do				2.52	22	
Shasta				2.83	22	
<i>Colorado.</i>						
Longmont				4.62	30	
Vilas					1.74	1 00
<i>Florida.</i>						
Brooksville					2.15	1 20
Emerson				3.29	21	
Fort Meade				2.60	6	
Lake Butler						
Myers						
Orange Park						
Oxford						
Quincy				3.00	6	
<i>Georgia.</i>						
Augusta					1.07	1 00
Dahlonega				2.60	23	
Fleming				3.00	29	
Fort Gaines						
Gillsville						
Thomasville				2.85	22	
<i>Illinois.</i>						
Albion	18.21			4.80	1	
Ashton				3.40	24-25	
Atwood				2.70	21	
Aurora						
Cairo						
Do						
Carlinville				10.82	16-17	
Charleston					3.03	2 32
Chicago						
Cisne						
Cobden						
Duquoin				2.99	19-20	
Greenville				2.65	28	
Iron				3.70	18-19	
Jordans Grove				3.02	1	
Kishwaukee				3.50	27	
Lanark				6.00	24-25	
Mascoutah				3.78	24-25	
Morrisonville				4.50	27	
Mount Vernon				2.51	19-20	
Oswego				2.85	27	
Plumhill				2.70	24	
Riley				2.50	27	
St. John				2.80	25	
Scales Mound				3.00	27	
Winnebago				3.47	24	
<i>Indiana.</i>						
Huntington				2.70	24-25	
Indianapolis						
Princeton						
Sunman						
<i>Indian Territory.</i>						
Vinita						
<i>Iowa.</i>						
Amana				5.52	15-16	
Bonaparte						
Carroll						
Centerville				2.66	16	
College Springs				3.04	14-15	
Council Bluffs						
Cresco						
Davenport				11.15	13	
Delaware						
Dubuque						
Eldora						
Fairfield				3.18	16	
Glenwood				10.03	2.70	
Grand Meadow					18	
Grinnell					3.20	
Grundy Center					3.21	
Humboldt						
Iowa Falls						
Mountayr						
Neola				11.79	17	
Odgen					2.80	
Reinbeck					3.45	
Winterset					3.00	

TABLE XIII.—*Excessive precipitation—Continued.*

Stations.	Monthly rainfall. 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		Day.
		Amt.	Day.	Amt.	Time.	
<i>Kansas.</i>						
Blaine		Inches.	Inches.	2.50	30-31	
Campbell				3.16	31	
Colyer						
Columbus				11.41	15	
Do					2.66	
Eureka						
Fort Riley					1.27	
Fort Scott					1.40	
Frankfort					0 50	
Gove					1.46	
Grainfield					1.58	
Horton					1.40	
Independence					1.00	
Marion					0 30	
Minneapolis					1.10	
Do					2.52	
Paola					1.76	
Do					2.65	
Wakefield					2.60	
Do					12.01	
Do					4.34	
Wamego						
Do						
Yates Center						
<i>Kentucky.</i>						
Alpha					1.85	
Caddo					1 30	
Earlington					2.47	
Fords Ferry					3.65	
Princeton					31	
<i>Louisiana.</i>						
Lafayette					1.53	
Melville					4.50	
Oberlin					1.25	
Schriever					1.54	
West End					2.70	
<i>Michigan.</i>						
Bay City					3.10	
Calumet					3.58	
Charlevoix					2.91	
Cheboygan					2.91	
Mayville					1.00	
Midland					2.35	
Old Mission					2.70	
Sault Ste Marie					2.51	
Thornville					1.00	
<i>Minnesota.</i>						
Breese					3.46	
Faribault					2.65	
Lambert					3.00	
<i>Mississippi.</i>						
Leakesville					3.50	
Thornton					2.50	
Williamsburg					4.06	
<i>Missouri.</i>						
Appleton City					3.40	
Arlington					3.04	
Do					3.31	
Arthur					2.60	
Do					3.10	
Bagnell					2.75	
Boonville					3.56	
Brunswick					11.52	
Cedargap					3.40	
Columbia					2.50	
Conception					3.39	
Cowgill					3.48	
Edgehill					3.03	
Eightmile					18-19	
Eldon					5.00	
Fairport					3.63	
Gallatin					12.42	
Gaylord					4.35	
Grovedale					2.95	
Halfway					12.38	
Do					4.68	
Hannibal					2.72	
Harrisonville					3.31	
Hastain					2.79	
Irena					2.23	
Jefferson City					2.80	
Do					2.50	
Kansas City					1.15	
Kidder					1.25	
Lamar					0.22	
Do					18	
Leavenworth					3.68	
Do					3.88	
Lebanon					5.60	
Do					13.65	
McCune					2.70	
Mansfield					3.82	
Marble Hill					2.57	
Maryville					4.26	
Mineralspring					12.38	
Montreal					11.78	
Neosho					2.54	
Nevada					11.91	
Do					4.40	
Do					3.45	
New Madrid					16.70	
<i>North Carolina.</i>						
Do					3.62	
Do					4.01	

TABLE XIII.—*Excessive precipitation*—Continued.

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		Time. Day.
		Amt.	Day.	Amt.	Time. Day.	
<i>Missouri—Continued.</i>						
Oakfield	Inches.	Inches.	18-19	Ins.	h.m.	
Do.		3.38				
Do.		2.72	27			
Oregon		15.02	2.75	17		
Do.		3.88	31			
Osceola		18.23	3.43	19	1.00	1 00
Do.		3.41	21-22	1.83	1 00	21
Do.				1.58	1 00	22
Palmyra		2.70	27			
Philipsburg		12.67	4.25	15-16		
Do.		3.53	19			
Pickering		10.80	2.63	31		
Platte River		2.65	15			
Princeton		10.02				
Rhinelander		3.40	18-19			
Richmond		10.04	2.55	15-16	1.00	0 30
Rolla		2.55				
St. Charles		3.56	27			
St. Louis		3.08	27	1.33	1 00	27
Sarcoxie		10.14				
Shelbyville		10.00	3.20	27		
Springfield		11.46	2.55	15-16		
Do.		2.54	19-20			
Stellada		2.56	15-16			
Sublett		13.15	3.00	18		
Do.		3.00	26-27	2.25	2 00	27
Tindall		2.52	31			
Trenton		10.34				
Unionville		12.60	4.96	17-18	3.04	2 18
Virgil City		12.45	3.03	15-16		17
Wheatland		14.70	3.68	19-20		
Do.		3.11	21-22			
<i>Nebraska.</i>						
Arapaho		2.50	31			
Ashland		10.57	2.90	13		
Auburn				1.00	0 55	20
Beatrice		10.30	3.08	30-31		
Bratton		11.86	4.18	17		
Burchard		11.05	3.00	4		
Gibbon		3.00	17			
Kearney		2.90	31			
Lincoln		10.11	2.76	12		
McCook		2.60	30			
Minden		2.70	30-31			
Nemaha		11.01				
Odell		12.83	4.05	8		
Plattsmouth		10.55				
Rulo		13.77	4.20	17	4.20	3 30
Santee Agency				1.11	0 20	24
Spencer				1.55	1 30	24
State Farm		3.05	12-13			
Strang		2.60	15-16			
Superior		3.77	31			
Sutton		3.25	30-31			
Tekamah		2.60	16			
Turlington				1.01	0 50	20
Weeping Water		11.45				
<i>New Jersey.</i>						
Bridgeton				1.30	0 15	28
Hightstown				2.03	1 00	28
New Brunswick				2.00	0 20	28
<i>North Carolina.</i>						
Falkland		11.22	4.90	23		
Fayetteville		2.71	1			
Greenville		3.25	17			
Horse Cove		3.43	2	2.00	1 00	2
Jefferson				1.15	1 00	13
Louisburg				1.30	0 20	23
Lynn		2.74	2			
Monroe		3.30	24			
Saxon				1.60	1 00	22
Skyuka		3.32	2			
Willeyton		10.61				

TABLE XIII.—*Excessive precipitation*—Continued.

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		Time. Day.
		Amt.	Day.	Amt.	Time. Day.	
<i>North Dakota.</i>						
McKinney	Inches.	Inches.				
Milton		2.50	11-12			
New England City		2.65	17			
Oakdale		3.00	11-12			
University		2.76	12			
		3.13	16-17			
<i>Oklahoma.</i>						
Burnett	Inches.	Inches.				
Guthrie		10.21	6.02			
Norman		3.10	18			
Ponca City		2.50	21			
Stillwater		2.78	1.20			
		2.78	0 30			
<i>Oregon.</i>						
Detroit	Inches.	Inches.				
Gardiner		10.48	3.45			
Glenora		10.24	2.87			
Langlois		11.34	28			
Salmon		10.26	2.72			
		15.36	1.00			
<i>Pennsylvania.</i>						
Bethlehem	Inches.	Inches.				
Easton		3.45	28			
Pittsburg		2.87	28-29			
Shinglehouse		1.00	2.70			
		2.70	1 00			
<i>South Carolina.</i>						
Camden	Inches.	Inches.				
Clemson College		3.02	2-3			
Conway		2.00	2 00			
Greenville		2.72	2-3			
Longshore		1.70	1 00			
Pinopolis		2.94	21-22			
<i>South Dakota.</i>						
Greenwood	Inches.	Inches.				
Huron		1.70	1 00			
		1.24	0 47			
<i>Tennessee.</i>						
Charlotte	Inches.	Inches.				
Dyersburg		3.33	19-20			
Elk Valley		2.90	20			
Harriman		1.00	1 00			
Knoxville		1.00	0 10			
Nashville		1.00	0 35			
Pope		1.23	1 00			
Trenton		2.95	19-20			
Union City		2.90	19-20			
<i>Texas.</i>						
Aurora	Inches.	Inches.				
Brighton		3.05	15-16			
Burnet		2.00	1 00			
College Springs		1.01	1 00			
Corpus Christi		1.97	1 18			
Corsicana		2.72	12-13			
Dallas		2.90	12-13			
Estelle		3.03	12			
San Antonio		2.75	2			
San Antonio (W. B.)		2.75	2.75			
		2.00	1 00			
<i>Virginia.</i>						
Cape Henry	Inches.	Inches.				
Fredericksburg		10.61	3.00			
Lynchburg		3.34	0 30			
Manassas		2.53	23			
Petersburg		2.52	3			
		2.52	1 00			
<i>West Virginia.</i>						
Leachtown	Inches.	Inches.				
		3.20	23			
<i>Wisconsin.</i>						
Apollonia	Inches.	Inches.				
Beloit		2.50	24-25			
Grand River Lock		3.60	13			
Pine River		3.00	12			
Portage		3.10	13			
Prairie du Chien		3.08	24			